

From: [Jeanene Woodruff](#) on behalf of [Water Permits](#)
To: [Elizabeth Rorie](#)
Cc: [Vojin Janjic](#); [Wade Murphy](#)
Subject: FW: TMSP Notice of Intent - 3M Clinton - Clinton, TN
Date: Thursday, December 03, 2015 3:27:17 PM

From: Mike R. Shoemaker [mailto:mshoemaker@wenck.com]
Sent: Thursday, December 03, 2015 11:50 AM
To: Water Permits
Cc: cmathison@mmm.com; Jason Leslie (jtleslie@mmm.com); Andrew Heckl (aheckl@mmm.com); Kathryn S. Anderson
Subject: TMSP Notice of Intent - 3M Clinton - Clinton, TN

***** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. *****

Good Afternoon,

Please find the attached Notice of Intent (NOI) for coverage under the General NPDES Multi-Sector Permit for Stormwater Discharges from Industrial Activity for the new 3M Clinton TN facility located at 400 JD Yarnell Industrial Parkway, Clinton, TN 37716. In accordance with Part 2.1.2 of the TMSP, 3M Clinton plans to commence discharges beginning no sooner than seven days from this submittal.

Two figures showing the site boundaries, surrounding topography, and outfalls are included with the NOI pdf. Additionally, the Duly Authorized Representatives letters are attached to the NOI pdf.

In accordance with Part 4.1.2 of the TMSP, I have also attached the full pdf of the 3M Clinton TN Storm Water Pollution Prevention Plan (SWPPP) for your records.

For our records and to ensure that the file sizes were not too large, can you provide email acknowledgement that the email and attachments were received?

If you need anything else, please let us know.

Regards,

Mike Shoemaker
Chemical Engineer / Associate



Responsive partner.
Exceptional outcomes.

mshoemaker@wenck.com | D 678.987.5844 | C 404.808.6300
1080 Holcomb Bridge Road | Building 100, Suite 190 | Roswell, GA 30076



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243

1-888-891-8332 (TDEC)

Notice of Intent (NOI) for General NPDES Multi-Sector Permit for Stormwater Discharges from Industrial Activities

Type of application: ☒ New ☐ Reissuance ☐ Modification

(If this NOI is submitted for Permit Modification provide the existing permit tracking number: TNR05_____)

Facility Name: 3M Clinton	County: Anderson
Street Address or Location: 400 JD Yarnell Industrial Parkway, Clinton, TN 37716	Latitude (DD.DDD): 36.094 Longitude (-DD.DDD): -84.102
Attach a copy of a topo map, a city map, or a county map, identifying the location of this facility and each outfall	<input checked="" type="checkbox"/> Map Attached
Has a Storm Water Pollution Prevention Plan (SWPPP) been developed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Owner or Operator: (the person or legal entity which controls facility's operation; this may or may not be the same as the facility name or the official contact name)

1	Official Contact Person Name: (Individual Responsible for a Facility) Jason Leslie	Title or Position: Plant Manager		
	Mailing Address: 400 JD Yarnell Industrial Parkway	City: Clinton	State: TN	Zip: 37716
	Phone: () 865-781-5103	E-mail: jleslie@mmm.com		

2	Local Contact Person Name: (if appropriate, write "same as #1") Andrew Heckl	Title or Position: Plant Engineering & EHS Manager		
	Facility Address: (this may or may not be the same as street address) 400 JD Yarnell Industrial Parkway	Facility City: Clinton	State: TN	Zip: 37716
	Phone: () 865-481-5112	E-mail: aheckl@mmm.com		

Write in the box (to the right) or circle the number (above) to indicate where to send correspondence and invoices: **2**

Stormwater runoff enters following stream(s) and/or lake(s): (for each outfall, give names and latitude/longitude) Clinch River. 001 = 36.0912, -84.1008; 002 = 36.0973, -84.0992 003 = 36.0925 -84.0977		Number of storm water outfalls: 3																			
Nature of business: Manufacturing - glass for O&G operations, fabric for auto insulation	SIC code(s): (primary code listed as No. 1, secondary, if applicable, as No.2, etc.) <table border="1"><tr><td>1. 2297</td><td>2.</td><td>3.</td><td>4.</td><td>5.</td><td>6.</td></tr></table>					1. 2297	2.	3.	4.	5.	6.										
1. 2297	2.	3.	4.	5.	6.																
Area of property associated with industrial activity: 74 Acres (area of facility property should not include recreation areas, landscaping, lawns, greenfields, forest, office buildings, employee parking lots, etc.)	Permit Sectors (STATE USE ONLY) <table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																				
Activities at facility: Check all that apply. <table border="0"><tr><td>01. <input checked="" type="checkbox"/> Manufacturing</td><td>05. <input type="checkbox"/> Vehicle Maintenance</td><td>09. <input type="checkbox"/> Wastewater treatment</td><td>13. <input type="checkbox"/> Coal Pile</td></tr><tr><td>02. <input checked="" type="checkbox"/> Storage/Distribution</td><td>06. <input type="checkbox"/> Hazardous waste TSD</td><td>10. <input type="checkbox"/> Land application</td><td>14. <input type="checkbox"/> Borrow Pit or Soil Harvesting</td></tr><tr><td>03. <input type="checkbox"/> Vehicle Storage</td><td>07. <input type="checkbox"/> Outside waste disposal</td><td>11. <input type="checkbox"/> Landfill</td><td>99. <input type="checkbox"/> Other: _____</td></tr><tr><td>04. <input type="checkbox"/> Trucking Terminal</td><td>08. <input type="checkbox"/> Recycling</td><td>12. <input type="checkbox"/> Mining operation</td><td></td></tr></table>						01. <input checked="" type="checkbox"/> Manufacturing	05. <input type="checkbox"/> Vehicle Maintenance	09. <input type="checkbox"/> Wastewater treatment	13. <input type="checkbox"/> Coal Pile	02. <input checked="" type="checkbox"/> Storage/Distribution	06. <input type="checkbox"/> Hazardous waste TSD	10. <input type="checkbox"/> Land application	14. <input type="checkbox"/> Borrow Pit or Soil Harvesting	03. <input type="checkbox"/> Vehicle Storage	07. <input type="checkbox"/> Outside waste disposal	11. <input type="checkbox"/> Landfill	99. <input type="checkbox"/> Other: _____	04. <input type="checkbox"/> Trucking Terminal	08. <input type="checkbox"/> Recycling	12. <input type="checkbox"/> Mining operation	
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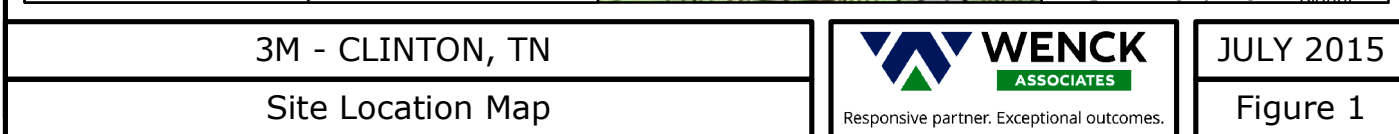
CERTIFICATION AND SIGNATURE (Make all entries in ink, not with a pencil. This NOI must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.)

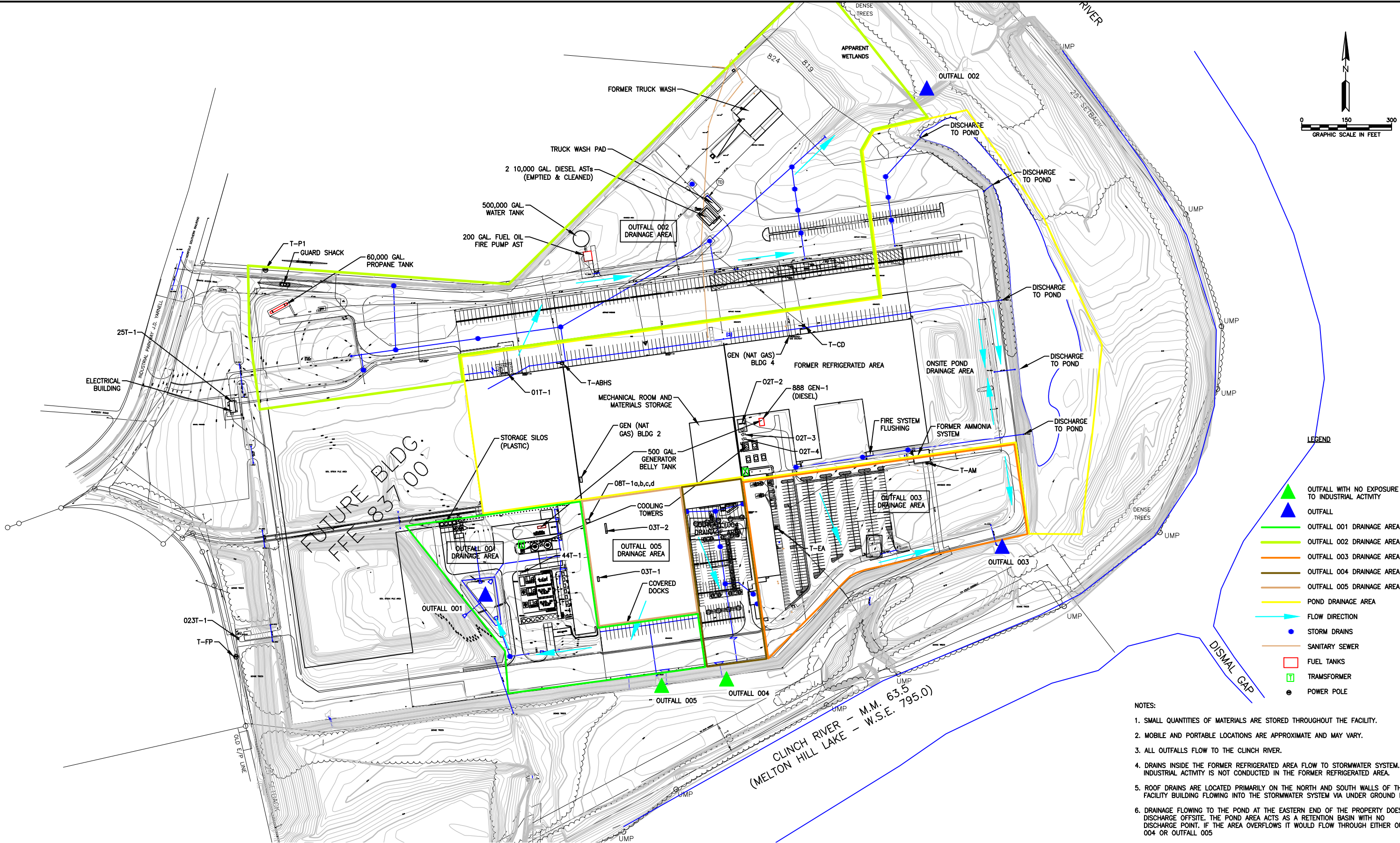
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment, as specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.


JASON LESLIE	PLANT MANAGER		12/02/15
Printed Name	Official Title	Signature	Date

STATE USE ONLY

Received Date	Fees(s)	Reviewer	EFO	Tracking No. TNR05
	T & E Aquatic Fauna	Exceptional TN Water?	Unavailable Conditions	NOC Date





						 <div>1800 PIONEER CREEK CENTER MAPLE PLAIN, MN 55359 PHONE-763-479-4200 FAX-763-4798-4242</div> <div>Responsive partner. Exceptional outcomes.</div>	DWN BY DNO	CHK'D MRS	APP'D MRS	PROJECT STORM WATER POLLUTION PLAN (SWPPP)	SHEET TITLE SITE LAYOUT		
							DWG DATE SEPT. 2015	CLIENT 3M 400 JD YARNELL INDUSTRIAL PARKWAY CLINTON, TN 37716			PROJECT NO. B0527-0036	SHEET NO. FIGURE 3	REV NO.
							SCALE AS SHOWN						
REV	REVISION DESCRIPTION	DWN	APP	REV DATE									



11-24-15

Sent via email

Storm water NOI Processing
Division of Water Resources\
Tennessee Department of Environment & Conservation
William R. Snodgrass – Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

Subject: Delegated Authorization: Notification to Division of Water Resources for 3M Clinton.

To whom it may concern,

3M Company is notifying Division of Water Resources of the delegation of authority to the 3M Clinton located at 400 JD Yarnell Industrial Parkway, Clinton TN 37716-4014, in accordance with General Permit No. TNR0500000. The permit requires the signature of a vice president of a corporation or the manager of the facility if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures; for many signatory requirements, with an allowance of delegation to a duly authorized representative.

The Environmental, Health, & Safety (EHS) Manager is responsible for the overall control of the day-to-day environmental compliance at the facility and, as such, are many times in the best position to make such representations and certifications regarding the environmental status of their facility. Therefore, 3M requests approval for the 3M Clinton, EHS Manager to be delegated authority for all reports, certifications, or other information required by the General Permit and, in cases where they are not available, and then the delegated authority is to the Operations Manager/Plant Manager. This delegated authorization will be maintained on site with the Stormwater Pollution Prevention Plan.

Examples of the reports and submittals that the EHS Manager may sign include but are not limited to stormwater reports, monitoring reports, and inspection forms.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Leslie", written over a horizontal line.

Jason Leslie
Plant Manager

3M Internal Correspondence

To: Facility Managers
Manufacturing Directors
Manufacturing Operations Managers

From: J. B. Sweeney, Vice President
Environmental, Health and Safety Operations – 224-5W-03

Subject: Certifications Under Environmental Laws

Date: November 3, 2011

As you are aware, certain environmental laws require that representations and certifications be made by 3M regarding environmental compliance and information at our various facilities and operations. These laws include the federal Clean Air Act Amendments of 1990 (which covers Title V permit applications and compliance certifications), the federal Clean Water Act, the Emergency Planning and Community Right-to-Know Act (EPCRA), the Resource Conservation and Recovery Act (RCRA) as well as other federal and state laws.

Some of these laws require that filings and certifications be made by a corporate officer or someone delegated by a corporate officer. I, as the 3M employee in the office of Vice President of EHS Operations, have been so delegated for these purposes.

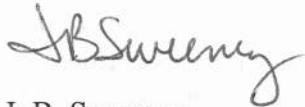
This letter serves to remind you that this office has further delegated to facility managers, their designees, and the people to whom they report, the authority to make environmental representations, certifications and filings on behalf of each respective facility when it is appropriate to do so. Facility managers are responsible for the overall control of the day-to-day operations at 3M facilities and, as such, should be in the best position to make such representations and certifications regarding the environmental status of their facility. Therefore, facility managers are delegated primary authority and, in cases where they are not available, then the delegated authority is to the person the facility manager has assigned facility management authority in his/her absence (provided this temporary assignment is documented). The person to whom the facility manager reports also holds this delegated authority. Facility managers, their temporary designees, and people to whom they report are delegated the authority to make the following types of representations and certifications:

- Clean Air Act Operating Permit Program Certifications (includes air permit applications, and Title V annual compliance certifications)
- State & Local Air Permitting Program Applications and Reports (e.g., construction permit applications, air emission inventories)

- Federal and State & Local Air Regulatory Reports (e.g. MACT or NSPS periodic reports)
- NPDES and State & Local Wastewater Permit Applications and Certifications, including items relating to Stormwater (note: criteria for this delegation vary by state, and must be individually reviewed as needed)
- NPDES and State & Local Wastewater, and Stormwater Reports
- EPCRA Section 304, 311, 312 and 313 (TRI Form R) Reports
- Risk Management Program and Oil Pollution Act Plans
- RCRA (Waste Disposal) Reports
- Waste Disposal Certifications
- Other Environmental Submittals and Agreements

This is a reminder only, and no new actions should be required of you. If you have any questions concerning this matter, please contact your EO Business Unit Contact, or Dawn Krueger at (651 or T)737-3576.

Thank you,



J. B. Sweeney
Vice President, Environmental, Health, and Safety Operations

JBS/slw

C: M. A. Nash – Office of General Counsel – 220-9E-02

EO Facility Contacts

EO Leadership Team:

- P. F. Narog – 224-5W-03
- G. A. Hohenstein – 224-5W-03
- K. J. Miller – 224-5W-03
- J. C. Muffat – 224-5W-03
- R. A. Paschke – 223-2S-31
- D. O. Schmid – 224-5W-03
- D. J. Krueger – 224-5W-03



Storm Water Pollution Prevention Plan

3M Clinton Tennessee
Industrial Adhesives & Tapes
Advanced Materials Division

3M Supply Chain
400 JD Yarnell Industrial Parkway
Clinton, TN 37716

Prepared by:

WENCK ASSOCIATES, INC.
1080 Holcomb Bridge Road
Building 100, Suite 190
Roswell, GA 30076
(678) 987-5840

Wenck Job # B0527-0336

November 2015



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3M Clinton, TN Emergency Contact List

RESPONDER	CONTACT	PHONE NUMBER
Primary Spill Coordinator – Andy Heckl, Plant Engineering and EHS Manager	Office Cell – 24 Hours	865-481-5112 949-307-3426
Alternate Spill Coordinator – Jason Leslie, Plant Manager	Office Cell – 24 Hours	865-481-5103 949-632-2044
Carie Mathison – Senior Environmental Scientist	Office	651-737-3604
Police/Fire/Medical	Emergency Non-Emergency	911 404-530-6639
Methodist Medical Center	Emergency 24-Hour	911 865-835-1000
Tennessee Emergency Management	24-Hour	800-262-3300 (615) 741-0001
Tennessee Department of Environment and Conservation (TDEC)	24-Hour	888-891-TDEC 888-891-8332
National Response Center (NRC)	24-Hour	1-800-424-8802
United States Environmental Protection Agency (USEPA) Region IV	Business Hours	404-562-8357
Spill Contractor HazMatOne	24-Hour	1-800-229-5252
TDEC Division of Water Resources – Knoxville Field Office	24-Hour	865-594-6035
Anderson County Local Emergency Planning Committee (LEPC)	Business Hours	865-576-9755



3M Clinton TN SWPPP Administrative Schedule

Inspections						
Item	Due Date	Form	Requirement	Recordkeeping Requirement	Responsibility	SWPPP Reference
Routine Facility Inspections	Monthly See Storm Water Pollution Prevention Plan (SWPPP) reference for storm event requirements and inspection locations	Routine Inspection Report Form	Complete form Certify quarterly that all BMPs, control structures, and measures are in working order with signed statement per Part 7.7	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	Section 4.0-4.1 Appendix G
Visual Assessment of Storm Water Discharges Only applicable to sector V CT1 (Outfall 001 and 002)	1 st Quarter: 3/31 2 nd Quarter: 6/30 3 rd Quarter: 9/30 4 th Quarter: 12/1 All assessments must be done during qualifying rain event See SWPPP reference for storm event requirements and inspection locations	Quarterly Visual Assessment Form	Complete form	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	Section 4.2 Appendix G
Quarterly Outfall Analytical Sampling	N/A	N/A	N/A	N/A	NA	Section 5.0-5.1 Appendix F
Annual Benchmark Analytical Sampling	N/A	N/A	N/A	N/A	N/A	Section 5.0-5.1 Appendix H



3M Clinton TN SWPPP Administrative Schedule

Reporting						
Item	Due Date	Form	Requirement	Recordkeeping Requirement	Responsibility	SWPPP Reference
Annual Comprehensive Inspection	Annually	Annual Comprehensive Site Inspection	Complete form	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	Section 4.3 Section 6.1 Appendix G
Annual Report	NA	NA	NA	NA	NA	NA
TDEC Verbal Notification	Within 24 hours of: <ul style="list-style-type: none"> A spill of hazardous materials or oil to state waters [e.g., a sheen is detected at Outfall 002] (40 CFR Part 110.10) A spill of hazardous materials in quantities above their reportable quantity (RQ) or oil to pervious surfaces in quantities greater than 25 gallons [e.g. 1000 lbs of sulfuric acid from batteries] (40 CFR 117.21 and 40 CFR 302.4) 	N/A	Call NRC at 1-800-424-8802, TEMA at 1-800-262-3300, and TDEC Field Office at 865-594-6035	For calls, record agent name and/or number, Time, and reference number for call/spill	3M Clinton (Clinton TN) EHS Manager or Designee	Section 6.2 Appendix F - Form CN-1259
		Spill Report Form	Complete form immediately	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	
TDEC Written Spill Report	Within 14 days of verbal report	Spill Report Form	Submit form to Corporate for review then submit to TDEC	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	Section 6.2 Appendix F
3M Internal Spill Reporting	Within 48 hours of a workplace incidents (including Contractor related) such as: Injury/Illness, Fire, Spill or Release, Agency Notice, Exceedance, Complaint, Near Miss, Potential Hazard, Property Loss/Damage or Business Interruption, Agency Inspections	Worldwide Incident Management System (WIMS) <i>(type in WIMS in the 3M Source address bar)</i>	Complete form and enter into WIMS	Records are maintained in WIMS	3M Clinton (Clinton TN) EHS Manager or Designee	Section 6.2 Appendix I



3M Clinton TN SWPPP Administrative Schedule

Plan and Station Changes						
Item	Due Date	Form	Requirement	Recordkeeping Requirement	Responsibility	SWPPP Reference
Control Measures Changes	As soon as possible, but no more than 7 days for maintenance and 60 days for construction from discovery of issue resulting from: <ul style="list-style-type: none">Quarterly InspectionsAnnual Comprehensive Site EvaluationUpset Condition (Spill)	See the following Routine Inspection Report Form Annual Report Form	Complete form Contact Plant Manager and Corporate	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	Section 1.4 Appendix E Appendix F Appendix G
Storm Water Pollution Prevention Team (SWPPP)	As needed	Contact List SWPPP Section 1.2 & Appendix C	Update Form Update Page	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	Contact List Section 1.2
SWPPP Quarterly Meeting	1 st Quarter: 3/31 2 nd Quarter: 6/30 3 rd Quarter: 9/30 4 th Quarter: 12/1	Quarterly Meeting Log	Complete Meeting Log	Maintain in facility file	3M Clinton (Clinton TN) EHS Manager or Designee	Section 1.2-1.3
SWPPP Training	For new employees: within 30 days of hire date For existing employees: annually	Storm water General Training	Complete training	Maintain electronically or hardcopy with SWPPP	3M Clinton (Clinton TN) EHS Manager or Designee	Section 1.3



3M Clinton TN SWPPP Administrative Schedule

Plan and Station Changes						
Item	Due Date	Form	Requirement	Recordkeeping Requirement	Responsibility	SWPPP Reference
SWPPP Modification	1. Within 14 days of the following: <ul style="list-style-type: none">• Change in Owner or Operator• SWPPP proves ineffective in controlling pollutants• Any change significantly affecting potential for discharge:<ul style="list-style-type: none">• Design• Construction• Operations• Maintenance• Materials• Finding from annual comprehensive site evaluation or quarterly inspection• Any upset condition (e.g., spill)	Record of Reviews Record of Revisions	Modify SWPPP	Record of Reviews and Record of Revisions on page ii of SWPPP Logs must be signed for documenting dates Contact Corporate Manager for assistance	3M Clinton (Clinton TN) EHS Manager or Designee	Record of Review and Revision page ii Section 1.4 Section 3.0-3.2

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FIGURES

- 1 Site Location Map
- 2 Site Detail Map
- 3 Site Plan Map

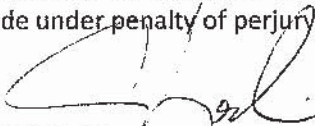
APPENDICES

- A Notice of Intent
- B National Pollutant Discharge Elimination System (NPDES) Tennessee Storm Water Multi-Sector General Permit for Industrial Activity (TMSP) - Permit No. TNR050000
- C Storm Water Pollution Prevention Team (SWPPT)
- D Non-Storm Water Discharge Evaluation and Certification
- E Best Management Practices (BMPs)
- F Spill Reporting Form
- G Inspection Forms
- H Annual Report Form
- I WIMS Reporting Form
- J Duly Authorized Representative Letters

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Authorized Representative:



Name and Title:

JASON LESLIE + PLANT MANAGER

Date:

12/02/15

PERMIT INFORMATION

General Permit No.:	TNR0500000
Issuing Agency Name and Address:	Division of Water Resources Tennessee Department of Environment & Conservation William R. Snodgrass – Tennessee Tower 312 Rosa L. Parks Avenue, 11 th Floor Nashville, Tennessee 37243
Agency Contact Name:	Wade Murphy TDEC-Division of Water Resources
Agency Contact Phone No.:	(615) 532-0666
Permit Expiration Date:	April 14, 2020

The 3M Clinton Tennessee Industrial Adhesives & Tapes and Advanced Materials Division Facility (3M Clinton TN) Storm Water Pollution Prevention Plan (SWPPP) shall be reviewed annually, at a minimum, and amended as required. To monitor and provide a record of amendments, all amendments shall be recorded below. Amendments include personnel changes, structural modifications, and implementation of control measures.

Record of Reviews

Date Reviewed	Reviewed By	Remarks
November 2015		Original Plan

Record of Revisions

Date Amended	Section/Page Amended	Reason/Author/Approval
November 2015	All	Original Plan / Michael Shoemaker, Wenck Associates / Jason Leslie, Plant Manager, 3M

1.0 Facility Information

The 3M Clinton TN facility is located at 400 JD Yarnell Industrial Parkway in Clinton, TN. Latitude and Longitude coordinates for the facility are N 36°05'36.55", W 84°06'00.13" (See Figure 1, Site Location Map). The facility is scheduled to open in November 2015 and operations include industrial activities associated with the manufacture of nonwoven fabrics for automotive applications. Since the 3M Clinton TN has collocated industrial activities, the facility, operates under Standard Industrial Classification (SIC) code 2297 (manufacture of nonwoven fabrics). The SIC code falls under Sector V, of the Tennessee Department of Environment and Conservation (TDEC) National Pollutant Discharge Elimination System (NPDES) Tennessee Storm Water Multi-Sector General Permit For Industrial Activities - Permit No. TNR0500000 (Permit a.k.a. TMSP). Operations at 3M Clinton TN require a SWPPP because the above-mentioned operations, including storage of bulk materials and transfer of petroleum products, could be exposed to storm water. The SWPPP has been prepared in accordance with the provisions of the Clean Water Act, Title 40 Code of Federal Regulations, Parts 122-124, the Tennessee Water Quality Control Act of 1977, and the TDEC NPDES Rules.

1.1 CONTENTS OF THE SWPPP

The TMSP authorizes the discharge of storm water from industrial activities to the State of Tennessee. 3M Clinton TN is a new facility and will submit a Notice of Intent (NOI) along with an electronic copy of the SWPPP in at least seven days prior to commencement of the industrial activities in accordance with Parts 2.1.2 and 4.1.2 of the TMSP. A copy of the NOI, receipt acknowledgement, and the Notice of Coverage (NOC) will be maintained in Appendix A.

The purpose of the SWPPP is to comply with the conditions of the TMSP. The plan is intended as a guide for individuals who are responsible for ensuring that activities are conducted in a manner that minimizes the potential for storm water pollution. The TMSP is included in Appendix B.

In accordance with Parts 4, 11.V.3 of the TMSP, the SWPPP includes the following information:

- Identification of the Storm Water Pollution Prevention Team (SWPPT) [Section 11.V.3.2.1];
- Employee Training [Section 11.V.3.2.3.5];
- General site description and detailed drainage of the facility[Section 11.V.3.2.2.1];
- Non-storm water discharges [Section 11.V.3.2.3.7.1];
- Description of potential pollutant sources and control measures in place [Sections 11.V.3.2.2.5 and 11.V.3.2.1];
- Best Management Practices (BMPs) [Section 11.V.3.2.3];
- Inventory of exposed materials [Section 11.V.3.2.2.2];
- List of significant spills and leaks [Section 11.V.3.2.2.3];
- Overview of the storm water inspections [Sections Sector V.3.2.1 and 11.V.5.3];
- Schedules and procedures for compliance;
- A summary of reporting and recordkeeping requirements [Section 11.V.3.2.3.6, and Sector V.5]; and
- Signature requirements.

This SWPPP was developed to be consistent with the 3M Clinton TN Spill Prevention, Control, and Countermeasure (SPCC) plan which contains the monitoring and response procedures for the oil products stored at the facility.

1.2 STORM WATER POLLUTION PREVENTION TEAM (SWPPT)

The SWPPT is responsible for assisting the facility manager in developing and revising the facility's SWPPP as well as maintaining control measures and taking corrective actions where required. The TMSP requires that each member have ready access to either an electronic or paper copy of applicable portions of the TMSP and the facility SWPPP.

In general, SWPPT duties include the following:

SWPP Leader

- Maintain the facility's overall storm water program;
- Act as primary liaison with the TDEC;
- Assist other departments in identifying potential pollution sources and BMPs;
- Conduct regular (monthly/quarterly) inspections;
- Conduct annual inspections;
- Evaluate the effectiveness of BMP implementation;
- Ensure training is being conducted; and,
- Ensure that all changes in facility and/or operations are addressed in the facility's SWPPP.

SWPPT Members

- Maintain facility-specific storm water program;
- Assist in identification of potential pollutant sources and BMPs;
- Conduct regular inspections of facility;
- Participate in annual inspections of facility;
- Ensure facility personnel are trained in storm water awareness and BMP implementation;
- Ongoing evaluation of BMP effectiveness;
- Ensure that any changes to a facility and/or the operations are reported to the SWPPT Leader and addressed in the SWPPP.

The designated SWPPT Members for the 3M Clinton TN facility are contained in Appendix C.

1.3 EMPLOYEE TRAINING

The Plant Engineering and Environmental, Health, and Safety (EHS) Manager or Plant Manager is responsible for ensuring that all employees at the facility who work in areas where industrial materials or activities are exposed to storm water, or who are responsible for implementing activities necessary to meet the conditions of the Permit, receive training.

Below is an outline of topics that are covered in the 3M Clinton TN training:

- Spill prevention, response, and control;
- Good housekeeping and material management practices;
- Control measures in place at the facility to prevent storm water pollution (including BMPs);

- Use of reused/recycled waters;
- Solvents management;
- Proper disposal of petroleum products and spent lubricants;
- Fueling procedures;
- Equipment washdown procedures;
- Facility inspection procedures and requirements;
- Facility sampling procedures and requirements;
- Facility reporting requirements; and
- Recordkeeping requirements.

Training will be conducted annually for existing employees and should be conducted within 30 days for new employees. Additionally, in accordance with Section 11, Sector V.3.2.3.5, independent contractors and customers are informed of BMPs and expected to perform in accordance with SWPPP requirements. BMPs and emergency contacts are posted in work areas.

Storm water exposure and spill prevention briefings will be also held periodically and include any near misses or recent incidents to prevent recurrence. Training records are maintained electronically by the Plant Engineering and EHS Manager.

1.4 SWPPP MODIFICATIONS

In the event of either of the following, the SWPPP must be amended within 14 days:

- There is a change in design, construction, operation, or maintenance which has a significant effect on the potential for the discharge of pollutants to the waters of the State of Tennessee;
- The SWPPP proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified in the SWPPP; or
- The SWPPP proves to be ineffective in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with industrial activity.

The SWPPP must be reviewed at least annually. Additionally, the SWPPP must be modified whenever necessary to address any of the triggering conditions for corrective action. *Changes to the SWPPP must be made in accordance with the revision deadlines and must be signed and dated in accordance with Part 7.7 of the TMSP.* Also, the SWPPP must be updated within 14 days of a change of owner or operator.

1.5 SWPPP AVAILABILITY

A copy of the SWPPP, NOC, and annual site compliance reports shall be retained on site so that it is readily available to employees, TDEC, the Environmental Protection Agency (EPA), the U.S. Fisheries and Wildlife Service Regional Director, the Tennessee Wildlife Resources Agency, authorized representatives of these officials, and local agencies approving storm water management plans in the event of an onsite inspection or upon request. 3M Clinton TN must make the SWPPP available in accordance with Part 4.2.2 of the TMSP and available to TDEC within 15 days of the request.

1.6 SITE DESCRIPTION

3M Clinton TN's facility is located in Anderson County, Tennessee approximately two miles southeast of downtown Clinton, TN (Figure 1) on approximately 160 acres bordering the Lower Clinch River. The segment of the Clinch River into which 3M Clinton TN discharges storm water is not an impaired water or exceptional water as defined in the TMSP and located on <http://tnmap.tn.gov/wpc/>. 3M Clinton TN operates as a manufacturing facility. The operations (SIC 2297) is in the 3M Industrial Adhesives & Tapes Division and involves the manufacture of a proprietary fabric for insulation applications in the automotive industry. Standard mechanical and electrical infrastructure, including backup generators, transformers, boilers, chillers, cooling towers, and fire suppression systems, support the facility process. These process also requires bulk storage of solid, granular raw materials in silos outside the facility building. Additional combustion units, paint booths, and fuel oil storage outside of that listed above is not required for the process and are not located at the facility.

The primary building complex, which houses all of the principal processes, is approximately 778,000 square feet and located at the center of the property. The primary complex includes a former ammonia compressor system building at the southeast corner. A small fire pump house and large water storage tank is located at the north side of the property. 3M purchased the facility from a former grocery store chain and modified it to meet the new process requirements. The property was used as a distribution warehouse; as such, some areas are referred to under the former titles. To the east is a former truck shop and a gravel employee parking lot is located on the western boundary of the facility. A grassed mound and wooded areas are located at the southwest corner of the property and along the southern and eastern borders. Industrial activities are not conducted in the grassed mound and wooded areas; therefore, storm water in this area is not impacted by industrial activity or 3M operations.

Site drainage that could be exposed to industrial activity is divided into three areas flowing to Outfalls 001-003. Sector V fabrics activities are conducted in Outfall 001, 002, and 003 drainage areas. Industrial activity is not exposed to storm water in the Outfall 004 or 005 drainage areas. Drainage areas are shown in Figure 3. Figure 2, Site Detail Map, gives a general site layout of 3M Clinton TN operations and drainage information. The Site Detail Map meets the requirements of the TMSP.

Drainage Area	Sectors	Activities	Description
Outfall 001 (~363,000 SQ FT) Latitude 36.0912 Longitude -84.1008	Sector V	Bulk material storage, petroleum storage, material transfers, sedimentation and erosion control	Southwest area of building where storage silos, mechanical, and electrical areas are located
Outfall 002 (1.33 million SQ FT) Latitude 36.0973 Longitude -84.0992	Sector V	Petroleum storage, material transfers, employee and trailer parking, fire pump	North side of site with transformers, diesel engine and tank, former truck shop, and parking
Outfall 003 (~475,000 SQ FT) Latitude 36.0925 Longitude -84.0977	Sector V	Petroleum storage, solid waste, material transfers, employee parking, fire pump	Southeast corner of site with transformers, air compressor, former ammonia building, and employee parking. This Outfall is substantially identical to Outfall 002.
Eastern Pond (1.07 million SQ FT)	Sector V	Mechanical equipment, bulk storage, material transfers, roof drainage, employee parking	Northern roof areas, central mechanical courtyard, transformers and eastern edge drain to pond with no outlet. If the pond were to overflow, it would discharge via Outfall 002 or Outfall 003.
Outfall 004 (~120,000 SQ FT) Latitude 36.0926 Longitude -84.0970	No Industrial Activity	Employee parking, roof drainage	Drainage from employee parking lot and roof at south central area. No industrial activity or vent stacks in area.
Outfall 005 (~160,000 SQ FT) Latitude TBD Longitude -TBD	No Industrial Activity	Roof drainage	No mechanical equipment or vent stacks

1.6.1 Outfall 001

Outfall 001 receives storm water from the southwestern corner of the property adjacent to the primary building complex, along with drainage from the south of the building. All storm water in the Outfall 001 drainage area is routed to a retention pond at the southwest edge of the property. Outfall 001 discharges to the Clinch River at the southwest corner of the property. A rail spur runs from the west border of the property east onto the site and into the building. Four silos (3 are empty) are located outside the building along the rail line. Raw materials are transferred to the silos from the railcars. Railcars are also loaded/unloaded in the building. One mechanical area is located at the southwest side of the building. Mechanical areas include pad-mounted transformers, diesel-fired generators, and cooling towers. Transformers contain mineral oil and are single-walled operating equipment. The generator diesel tanks are double-walled steel. Spill supplies are located in the building to address any spills that may occur.

Covered dock doors are located at the south side of the building. Trucks load and offload through these doors. Drains are located in the paved areas at the south of the building. These drains flow to the storm water system discharging to the southwest retention pond. The western side of the building, including silos and mechanical areas, also flow via sheet flow over land to the retention pond and Outfall 001. The retention pond is located to the southwest of the building and discharges through a normally closed valve through Outfall 001. Outfall 001 flows under the southern perimeter road and to the wooded buffer property prior to discharging to the Clinch River.

Cooling tower blowdown is plumbed to the sanitary sewer. Both industrial processes are located within the western side of the primary building. Each process is completely contained by the building. Drains are not located in the process areas. Except for the former refrigerated area (as discussed for the eastern pond area in Section 1.6.4), all drains inside the building flow to sanitary sewer.

1.6.2 Outfall 002

Outfall 002 collects storm water from the northern portion of the property and drains east to the Clinch River. The facility entrance road is paved and enters the site at the northwest boundary running east to the fire pump house and then the former truck maintenance shop. Paved parking areas are located south of the road at the north side of the main building. Grassed areas are located north of the road. A diesel-fired pump is located inside the pump house and is used to pump water for fire suppression to the main building.

A former truck maintenance shop comprised of a maintenance area, wash area, and fueling station is located at the northeast corner of the property. The fueling dispensers were removed and underground piping sealed. The two 10,000-gallon diesel aboveground storage tanks (ASTs) remain onsite; however, the ASTs have been permanently removed from service. The tanks are empty, piping has been disconnected, controls and valves are locked, and signage indicating they are out of service have been posted. Drains in the truck wash bay and truck wash area, which discharged to the sanitary sewer, have been closed and sealed. The grassed area and pavement surrounding the truck maintenance operations flow to the northeast corner of the property via overland sheet flow and storm water drainage culverts to the outfall.

1.6.3 Outfall 003

Outfall 003 receives storm water from the southeast parking area, the former ammonia system compressor building, surrounding grassy area, and the eastern storm water retention pond (discussed in 1.6.3). The area also includes a solid waste container, a small air compressor, and a transformer containing mineral oil. The solid waste container and compressor are covered. The transformer is sealed to prevent exposure to storm water. Outfall 003 discharge through the grassed and wooded area to the south of the property. Drainage flows west to an outlet slough and then to the Clinch River.

A former forklift charging room and ammonia compressor system is located in the main building complex. Interior drains in the former forklift/battery charging area, which formerly flowed to sanitary sewer, have been filled with concrete. The ammonia compressor system was used for building refrigeration; however, the system is no longer in operation. The ammonia was removed and replaced with an inert gas. Plans to remove the system are scheduled for early 2016. The compressors are located in the building at the southeast corner of the primary complex. Floor drains in the area flow to a containment pit that is vacuumed on a routine basis and disposed of properly. Maintenance includes checking the pit levels. A fire pump is located adjacent to the compressor room. Fire system flushing is conducted in this area.

Surface drainage from the parking lot flows southeast to the grassed area and via a drainage ditch to Outfall 003.

Outfall 003 would also receive water from the eastern pond should it overflow. The pond drainage area is discussed in Section 1.6.5.

Outfall 003 is substantially identical to Outfall 002. Outfall 003 includes parking areas and limited oil-filled equipment such as transformers. The area also includes covered equipment and covered solid waste containers. Storage capacities and types of equipment are more limited in the Outfall 003 area when compared to Outfall 002. More transfers are conducted in Outfall 002 considering the 200-gallon fire pump AST is located in the drainage area. Additionally, the Outfall 003 drainage area is approximately 475,000 square feet versus 1.33 million square feet for the Outfall 002 drainage area. Both runoff coefficients would be expected to be medium (40-65% based on grassed areas).

1.6.4 Eastern Pond

An approximately 4.5 acre pond collects runoff from the northern roof area, the mechanical area, the northern parking adjacent to the building, and the northeast parking areas. Limited equipment is located on the roof area. Air handlers are located on the roof but do not contain compressors, oil, or other material. No process vent stacks are located on the roof. Filter buildings for the ammonia compressor system are located at the eastern side of the roof, but the system is no longer operational and the ammonia was removed and replaced with an inert gas. Plans to remove the system are scheduled for early 2016.

The mechanical area is located in a courtyard near the center of the primary building complex and includes pad-mounted transformers, diesel-fired generators, and cooling towers. Transformers contain mineral oil and are single-walled operating equipment. The generator diesel tanks are double-walled steel. Spill supplies are located in the building to address any spills that may occur. Cooling tower blowdown is plumbed to sanitary sewer.

A former refrigerated area is located inside the northeast corner of the primary building.

The eastern grassed area is mounded. Slight seepage and erosion occurs in the area. Storm water in these areas flows over land and into ditches leading to the pond at the east side of the building. The pond covers a large area and does not have a discharge point. The area to the east drains primarily by infiltration. If a storm event was sufficiently large, the pond could overflow. The pond would flow north and south to Outfall 002 and 003; respectively.

1.6.5 Outfall 004

Outfall 004 collects storm water from the southern roof and the parking lot between the employee offices and process areas and discharges to the Clinch River south of the property. The area south of the building consists of paved parking areas and drives and is used for employee parking. The covered dock doors at the eastern side of this area are no longer in use. No industrial activity is conducted in this area. Therefore, Outfall 004 does not have any storm water discharges associated with industrial activity.

If oil-filled equipment or other process activities are moved to this area, 3M will reevaluate the discharges to storm water.

1.6.6 Outfall 005

Outfall 005 collects storm water from the southern roof of the building and discharges to the Clinch River at the south side of the property. Air handlers are located on the roof; however, the units are not process vent stacks and do not have associated oil-filled compressors. Therefore, Outfall 005 does not have any storm water discharges associated with industrial activity. Roof downspouts are located along the southern wall of the building and flow into the storm water system and discharge south of the perimeter road at Outfall 005.

If process vent stacks or oil-filled equipment are located on the roof in the future, 3M will reevaluate the discharges to storm water.

Repair work is being completed on the storm drain connected to and north of outfall 005. The outfall will be redesigned to be more accessible on the north side of the fence.

1.7 ALLOWABLE NON-STORM WATER DISCHARGES

The TMSP authorizes specific non-storm water discharges, if uncontaminated. Part 3.1.2 of the Permit provides further explanation of these discharges. The table below outlines allowable non-storm water discharges and the applicability to 3M Clinton TN. A certification that discharges have been tested or evaluated for the presence of non-storm water discharges is included in Appendix D.

Non-Storm Water Discharge	Present at Facility	Control Measure/Comments
Fire hydrant flushing	Yes	Discharges from fire hydrant flushing do occur at the facility.
Potable water including water line flushing	No	Not Applicable. Potable water is not expected to be discharged; however, a reverse osmosis system is used inside the facility. This unit would not discharge to storm water.
Uncontaminated condensate from air conditioners, cooler, or other compressors	Yes	Uncontaminated air conditioner condensate drains from outdoor covered unit
Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions	No	Not Applicable. Landscaped watering is not conducted at the facility. All landscaping activities are conducted in accordance with manufacturer's instructions.
Washing of sidewalks, buildings, etc. to which no detergents have been added; wash water should also be free of any other pollutants such as sediment, debris, etc.	Yes	Pavement in parking area may be rinsed with water, as needed.
Uncontaminated ground water or spring water	No	Not Applicable
Foundation and Footing Drains	No	Not Applicable
Incidental windblown mist from cooling towers	Yes	Incidentally blown mist from cooling towers is present at the facility. Blowdown is piped to sanitary sewer.
Discharges from wet deck storage areas, which are authorized only if no chemical additives are used in the spray water or applied to the logs	No	Not Applicable

2.0 Summary of Potential Pollutant Sources and Control Measures

3M has developed BMPs in accordance with the TMSP to prevent exposure to storm water. Specific BMPs are included in Appendix E. Below is a list of potential pollutant sources observed at 3M Clinton TN and control measures that are in place to prevent storm water pollution.

Potential Pollutant Sources	Control Measure
<p>Bulk Storage</p> <ul style="list-style-type: none">• Diesel• Hydraulic oil• Grease• Engine oil• Mineral oil• Plastics• Used oil	<p>In accordance with Sector V.3.2.3.1.1, all stored and containerized materials (fuels, petroleum products) are stored in a protected area, away from drains, and clearly labeled. Petroleum products are stored in the outdoor storage tanks associated with the transformers and generators, in the fire pump house, and inside the mechanical room. New bulk material and used oil are contained in steel operating tanks and double-walled steel-belly tanks. An inventory of transformers and generators is included in the SPCC Plan. Diesel is stored in a 200-gallon steel aboveground storage tank (AST) in the fire pump house with concrete containment. All other petroleum products are maintained in sealed, DOT-approved drums on containment pallets or small containers in cabinets. Valves are kept in the closed position and locked in place. Containers are observed daily and inspected monthly. Interior drains flow to sanitary sewer. The inside areas are not exposed to storm water. The 10,000-gallon steel ASTs in the former truck maintenance shop are empty and permanently out of service.</p> <p>Storage areas and tanks are inspected monthly as part of the SPCC Plan and SWPPP. Spill materials are maintained at the facility to respond to any leaks, drips, or releases.</p> <p>In accordance with Sector V.3.2.3.1, solid, raw materials are stored in the silos at the west of the building. Materials are offloaded from railcars as detailed in the transfer section. Transfers are not made during rain events if possible. Areas are kept clean after transfers, if needed in order to maintain a clean and orderly area.</p>

Potential Pollutant Sources	Control Measure
<p>Bulk Storage Mobile Refuelers</p> <ul style="list-style-type: none"> • Diesel • Mineral oil • Used oil 	<p>3M Clinton TN does not operate loaded refuelers. Transfers to the diesel AST, generators, and transformers are conducted by 3M-approved contractors. In accordance with Sector V.3.2.3.5, contractors are made aware of the BMPs and SWPPP requirements. Spill kits are maintained at the facility and on each refueler to address leaks or spills.</p>
<p>Material Transfers</p> <ul style="list-style-type: none"> • Diesel • Hydraulic oil • Grease • Engine oil • Mineral oil • Plastics • Used oil 	<p>Limited transfers are conducted at the 3M Clinton TN facility. The majority of transfers are conducted inside the mechanical room and are not exposed to storm water.</p> <p>In accordance with Sector V.3.2.3.1.3, new petroleum product is delivered via truck to the facility, and pumped into the generator ASTs. Product is piped to the interior of the pump house and transferred using flexible hose dispensers. Used oil, engine oil, and mineral oil are transferred manually using pans or small pumps into the drum or tank.</p> <p>Used oil drums are transferred to a truck or pumped out of the drums to a contractor truck in the parking lot. A rubber hose is run inside the shop to pump directly from the used oil tank to the truck. Personnel never leave the area unattended during fueling operations. A spill kit is available in the maintenance shop. Material is not exposed to storm water during the transfer.</p> <p>Solid raw materials are transferred via pump from the railcars. Transfers are made using a flexible rubber hose connected to the silo transfer points. Personnel never leave the area unattended and monitor the transfer continuously. Valves are checked prior to disconnecting. Material is not exposed to storm water during transfer.</p>
<p>Routine Facility Maintenance</p> <ul style="list-style-type: none"> • Battery acid • Cleaning products • Detergents • Grease • Hydraulic oil • Miscellaneous chemicals, wash water • Mineral oil • New oil • Used oil 	<p>In accordance with Sector V.3.2.3.2, equipment awaiting maintenance is stored inside and not exposed to storm water. Equipment is on a routine preventative maintenance schedule to prevent leaks and drips. Generators, transformers, and cooling towers are inspected regularly and undergo preventative maintenance to prevent discharges.</p> <p>Vehicles and trailers do not undergo maintenance at the facility. If a vendor trailer requires maintenance, drip pans are used at the facility to capture leaks or drips from equipment and vehicles. The contractor is then notified for pickup.</p> <p>Maintenance is performed inside the building. Drip pans are used to capture spills during maintenance activities. In the event of a spill or leak, facility personnel place spill materials in the area to absorb the spill. This material is then placed in drums and sent offsite for disposal.</p>

Potential Pollutant Sources	Control Measure
Facility Solid Waste <ul style="list-style-type: none"> Miscellaneous chemicals 	Solid waste is placed into a covered trash compactor. General trash and cardboard recycling are placed into covered dumpsters. Other recycling waste e.g. wood and metal are placed into uncovered dumpster.
Sediment and Erosion Control <ul style="list-style-type: none"> Sediment/Silt 	In accordance with Sector V 3.2.3.7.4, grass cover on the mound at the east of the building is inspected regularly to maintain coverage. A silt barrier is used at the discharge to the eastern pond culvert to prevent sediment from flowing to the wooded area. A retention pond is located at the southwest corner of the site and captures runoff from the material storage areas and grassed area prior to discharging to Outfall 001.

2.1 GOOD HOUSEKEEPING:

General housekeeping procedures ensure that industrial materials are not exposed to storm water. These procedures include the following:

Material Storage Areas [Sector V.3.2.3.1.1]

- Stored and containerized materials (fuels, petroleum products) are stored in a protected area, away from drains, and clearly labeled.
- Materials are only purchased in quantities so as to avoid excessive purchasing, storage, and handling of potentially hazardous substances.
- Containers are triple-rinsed to ensure they are clean and residuals are not subject to contact with storm water. The discharge waters from such washings must be collected and disposed of properly.
- Refuse and waste storage areas should be under cover either by inside storage, shed, overhang, tarps, or at the least drums must have covers installed.
- Used oil storage areas will be kept free of trash and spills.
- Ensure all materials stored together are compatible.

Material Handling/Fueling Areas [Sector V.3.2.3.1.2 and Sector V.3.2.3.1.3]

- Use spill and overflow protection for tanks such as visual gauges, manual reading, and automatic shutoffs.
- Transfer materials in covered areas when possible.
- Inspect connections, valves, transfer lines, and pipes that may carry chemicals or petroleum to identify leaks.

Storage Tanks [Sector V.3.2.3.1.4]

- Use spill and overflow protection for tanks such as visual gauges, manual reading, and automatic shutoffs.
- Cleanup areas regularly.
- Follow SPCC Plan.
- Secure controls and building doors to limit access.

- Maintain spill supplies in transfer areas.
- Inspect connections, valves, transfer lines and pipes that may carry chemicals or petroleum to identify leaks.

Operations and Maintenance Techniques

- Spills and leaks will be reported and cleaned up as they occur or as soon as possible.
- Garbage and waste materials must be picked up and disposed of regularly.
- Employee awareness will be made through team briefings in regards to where to dispose of waste oils and refuse.

Locations where spill cleanup equipment and materials are stored must be appropriately marked. Spill kits are located in the mechanical room and pump house.

2.2 SECURITY

Entry to the 3M Clinton TN facility is fully fenced and locked. Entry is controlled by locked doors. Security personnel are stationed at the entry road to process entrants.

The facility is not located on a main road. All stationary tanks are located inside the facility or out of site behind the buildings. The fenced areas and buildings are locked during non-business hours.

Visitors to the facility are required to be escorted by a 3M Clinton TN employee.

Facility lighting is adequate to detect spills during nighttime hours and prevent vandalism.

Any AST valves at 3M Clinton TN's facility are kept securely locked in the off position when the tank is not in use. Security of valves shall be checked daily during visual inspections and documented monthly on inspection checklists as part of the SPCC Plan.

2.3 RESPONSE PROCEDURES

Spill response will follow the procedures listed in the SPCC. In general, spills are divided into two categories:

- **Incidental Spill/Release** – is a spill/release that:
 - DOES NOT reach the environment directly or indirectly;
 - Is a small quantity of material that does not pose a health hazard (<10 gallons of oil or below reportable quantity (RQ) as listed in 40 CFR 110, 117, and 302);
 - Employees are familiar with the hazards associated with the spilled material and the material can readily be absorbed, neutralized, or otherwise controlled; and
 - Containment/clean-up does not pose or create potential or actual health and safety hazards (e.g. fire, explosion, exposure, etc.).
- **Non-Incidental Spill/Release** – is a spill/release that:
 - DOES reach the environment (i.e., enters a floor or storm drain, discharges to the ground surface, etc.);
 - Is a large spill (>10 gallons of oil or equal to or above the reportable quantity (RQ) and

- cannot be readily absorbed, neutralized or otherwise controlled); and
- Employees are not familiar with or are unaware of the health and safety hazards, and an injury has occurred as a result of the spill/release.

Incidental spills may be cleaned up by 3M Clinton TN personnel that have been properly trained using the resources available (i.e., spill cart and spill kits). Fuel and oil spills must not be “washed down” with water, as this procedure may eventually lead to contamination of surface water. Non-incident spill should be assessed by the emergency response team.

When a spill or release occurs, quick, responsible action is needed to minimize possible spread of contamination by the released material. When personnel recognize that an emergency response situation exists, they will respond by providing required notifications to the 3M Clinton TN’s Primary Spill Coordinator, 3M Clinton TN’s emergency response team, and the Plant Manager. Personnel will provide appropriate countermeasures commensurate with their level of training. They will not attempt to provide countermeasures or response activities for which they are not trained.

As soon as a spill has been identified, all responders will follow the procedures presented at the front of this SWPPP and summarized below:

First assess the spill and its hazard potential:

1. What is it?
2. How big is it?
3. Where did the spill come from?
4. Did spilled material enter a navigable waterway, sanitary sewer or storm water sewer?
5. Did spilled material impact the shoreline of a navigable waterway or other soils?

If employee CAN safely control the spill:

1. Secure the spill area.
2. Acquire and don appropriate personnel protective equipment.
3. Stop the release of material.
4. Keep spill from entering sanitary or storm sewer, soil, or water.
5. Acquire and apply appropriate spill response materials to the spill.
6. Notify manager.
7. Collect used spill materials and place in drums. Label drum(s) with contents and date.
8. Dispose of waste materials properly.

Spills will be cleaned up using appropriate absorbents (such as granular oil dry or oil pads as available in the maintenance shop.) Do not use water to “wash down” a spill.

For all spills, it is everyone’s responsibility to ensure that spills are handled correctly and the safety of personnel and the general public is not jeopardized. It is the Primary Spill Coordinator or Plant Manager’s responsibility to ensure that spills are immediately reported internally. **The Primary Spill Coordinator, Plant Manager, and Corporate Senior Environmental Scientist should coordinate to make the required spill notifications to Local, State, and Federal agencies** in accordance with all applicable laws and regulations. It is 3M Clinton TN’s policy that these reports be filed immediately by the Plant Engineering and EHS Manager upon notification and with the assistance of the Plant Manager or other personnel familiar with the spill. The agency Spill Reporting form is located in Appendix F and 3M internal WIMS reporting is located in Appendix I.

Spill Reporting

3M Security* --- 3M Corporate Security --- 651-733-6100

*3M Security provides connection to 3M EHS EO Spill Reporting Team for notification of appropriate government agencies.

3.0 Corrective Actions

Potential situations where corrective actions under the Permit should be addressed are:

- An unauthorized release or discharge (e.g., spill, leak, or discharge of non-storm water not authorized by this or another NPDES permit) occurs at facility;
- A discharge violates a numeric effluent limit;
- Facility becomes aware, or TDEC determines and notifies facility, that existing control measures are not stringent enough to sufficiently minimize pollutants in the facility's discharges to ensure that the receiving water body does not exceed applicable water quality standards as a result of the discharge;
- A routine facility inspection, quarterly visual assessment, or comprehensive site inspection identifies that control measures are not being properly operated and maintained; and/or
- Construction or a change in design, operation, or maintenance at the facility significantly changes the nature of pollutants discharged in storm water from the facility or significantly increases the quantity of pollutants discharged.

3.1 CORRECTIVE ACTION DOCUMENTATION

Within 24 hours of discovery, or by the end of the next business day of any condition listed above, the facility must document the following information:

- Identification of the condition triggering the need for corrective action review;
- Description of the problem identified; and
- Date the problem was identified.

As soon as practical before the next rain event, but in no case more than seven days after discovery of a condition requiring correction action review, permittees must document the following information:

- Summary of corrective action taken or to be taken (or, for conditions requiring review to determine if modifications are necessary, the basis for this determination);
- Date corrective action is initiated; and
- Date corrective action is completed or expected to be completed.

Corrective actions must be documented in the SWPPP and in the annual report. The SWPPP must be reviewed and updated within 14 days of the discovery. Corrective action must be completed no later than 60 days after discovery.

3.2 CORRECTIVE ACTION DEADLINES

3M Clinton TN must document the discovery of any of the conditions for corrective action as listed above within 24 hours. Corrective actions to be taken must be documented within seven days of discovery. The SWPPP must be reviewed and updated within 14 days of the discovery. Corrective action must be completed no later than 60 days after discovery.

4.0 Inspections

3M Clinton TN is required to conduct three types of inspections under the Permit: A Routine Facility Inspection, a Visual Assessment of Storm Water Discharges, and an Annual Comprehensive Site Inspection. Below is a summary of the requirements for each inspection. A summary of all SWPPP requirements are also presented at the beginning of the SWPPP in the table Administrative Summary.

Requirement	Frequency	Recordkeeping Requirement
Routine Facility Inspections	Monthly <i>*The annual comprehensive site inspection may also be used as one of the routine inspections, as long as all components of both types of inspections are included.</i>	Maintain Inspection forms on site with SWPPP.
Visual Assessment of Storm Water Discharges (TMSP Sector V.5) <i>*Photo documentation is recommended</i>	Once each calendar quarter during a qualifying rain event: <ul style="list-style-type: none">• January 1 thru March 31• April 1 thru June 30• July 1 thru September 30• October 1 thru December 31 Outfall 001 and 002 only. Outfall 003 is substantially identical to Outfall 002. Outfalls 004 and 005 are not exposed to industrial activity at this time.	Maintain Inspection forms on site with SWPPP.
Annual Comprehensive Site Inspection (TMSP Sector V.3.2.4)	<ul style="list-style-type: none">• Annually	Maintain Inspection forms on site with SWPPP.

Site inspections must be conducted by qualified personnel, with at least one member of the storm water pollution prevention team participating. According to the permit, a qualified person is defined as a person who possesses the knowledge and skills to assess conditions and activities that could impact storm water quality at the facility and who can also evaluate the effectiveness of control measures. Documentation of all inspections must be maintained on site with the SWPPP.

4.1 ROUTINE FACILITY INSPECTIONS

4.1.1 Routine Facility Inspection Procedures

Routine Facility Inspections will be conducted monthly for all areas of the facility where industrial materials or activities are exposed to storm water during dry weather events. The Routine Facility

Inspection Form can be found in Appendix G. Maintain documentation of inspections on site with the SWPPP; inspection records do not need to be submitted to TDEC unless specifically requested.

4.1.2 Routine Facility Inspection Documentation

At a minimum, documentation of each routine facility inspection will include:

- The inspection date and time;
- The name(s) and signature(s) of the inspector(s)[signature in accordance with Part 7.7 of the Permit, see Section 6.4];
- Weather information and a description of any discharges occurring at the time of the inspection;
- Any previously unidentified discharges of pollutants from 3M Clinton TN for the previous three (3) years;
- Any control measures needing maintenance or repairs;
- Any failed control measures that need replacement;
- Any incidents of noncompliance observed;
- Discharges from containment areas should be inspected for a visible sheen; and
- Any additional control measures needed to comply with the Permit requirements.

Inspections should be performed when operations are occurring.

The permittee must certify on at least a quarterly basis that inspections of control measures and of outfall points were performed and whether or not all planned and designed pollution prevention controls measures are installed and in working order. The certification must be done by a person who meets the signatory requirements of this permit. The certification should be kept with the facility's SWPPP, shall be signed in accordance with subpart 7.7 of this permit, and has to be submitted to the local Environmental Field Office upon request.

4.2 QUARTERLY VISUAL ASSESSMENTS OF STORM WATER DISCHARGES

4.2.1 Quarterly Visual Assessment Procedures

Once each calendar quarter, 3M Clinton TN will collect a storm water sample from Outfall 001 and 002 during wet weather events. As discussed in Section 1.6 and 1.6.4, Outfall 003 is substantially identical to Outfall 002 based on the operations affecting the outfalls. A sample should be collected in such a manner that samples are representative of the storm water discharge. The sampling required must occur during 3M Clinton TN's normal operating hours. The Quarterly Visual Assessment Form can be found in Appendix G. Maintain documentation of assessments on site with the SWPPP; visual assessment findings do not need to be submitted to TDEC, unless specifically requested to do so. The visual assessment will be made:

- On a sample in a clean, clear glass or plastic container and examined in a well-lit area;
- On samples collected within the first 30 minutes of an actual discharge from a storm event. If it is not possible to collect the sample within the first 30 minutes of discharge, the sample must be collected as soon as possible after the first 30 minutes, and the permittee must document why it was not possible to take samples within the first 30 minutes. In the case of snowmelt, samples must be taken during a period with a measurable discharge from the facility; and
- For storm events, on discharges that occur at least 72 hours from the previous discharge.

Samples will be visually inspected for the following water quality characteristics in accordance with Sector V.5.3:

- Color;
- Odor;
- Turbidity;
- Floating solids;
- Settled solids;
- Suspended solids;
- Foam;
- Oil sheen; and
- Other obvious indicators of storm water pollution.

4.2.2 Quarterly Visual Assessment Documentation

Documentation of the visual assessment will include:

- Sample location(s);
- Sample collection date and time, and visual assessment date and time for each sample;
- Personnel collecting the sample and performing visual assessment, and their signatures;
- Nature of the discharge (i.e., runoff or snowmelt);
- Results of observations of the storm water discharge;
- Probable sources of any observed storm water contamination;
- If applicable, why it was not possible to take samples within the first 30 minutes; and
- Any corrective action required as a result of a quarterly visual assessment must be performed consistent with Part 3 of the Permit.

4.2.3 Exceptions to Quarterly Visual Assessments

When adverse weather conditions prevent the collection of samples during the quarter, 3M Clinton TN must take a sample during the next qualifying storm event. Documentation of the rationale for not making a visual assessment for the quarter must be included with the SWPPP records as described in Part 11.V.5.5 of the TMSP. Adverse conditions are those that are dangerous or create inaccessibility for personnel, such as local flooding, high winds, or electrical storms, or situations that otherwise make sampling impractical, such as drought or extended frozen conditions.

Another exception for the Quarterly Visual Assessment allowed under the Permit is for inactive and unstaffed sites. The requirement for a quarterly visual assessment does not apply at a facility that is inactive and unstaffed, as long as there are no industrial materials or activities exposed to storm water. The facility must maintain a statement in the SWPPP indicating that the site is inactive and unstaffed and that there are no industrial materials or activities exposed to precipitation. The statement must be signed and certified in accordance with Part 7.7.

4.3 ANNUAL COMPREHENSIVE SITE INSPECTIONS

4.3.1 Annual Comprehensive Site Inspection Procedures

Annual inspection periods are outlined below:

- Year 1: Permit effective date – December 31, 2015
- Year 2: January 1, 2016 – December 31, 2016
- Year 3: January 1, 2017 – December 31, 2017
- Year 4: January 1, 2018 – December 31, 2018
- Year 5: January 1, 2019–Permit expiration date

Should coverage be administratively continued after the expiration date of this permit, the facility must continue to perform inspections annually until coverage is terminated or a new permit is issued.

The annual comprehensive site inspections will cover all areas of 3M Clinton TN operations during dry weather events affected by the requirements in the TMSP, including the areas identified in the SWPPP as potential pollutant sources where industrial materials or activities are exposed to storm water, and areas where spills and leaks have occurred in the past three years. The inspections will also include a review of monitoring data collected for annual benchmark monitoring. Inspectors must consider the results of the past year's visual and analytical monitoring, if applicable when planning and conducting inspections. The Annual Comprehensive Site Inspection form can be found in Appendix G.

For 3M Clinton TN, inspectors will examine the following:

- Industrial materials, residue, or trash that may have or could come into contact with storm water;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final, or waste materials from exposed areas to areas of no exposure;
- Control measures needing replacement, maintenance, or repair;
- Equipment needed to implement the SWPPP, such as spill response equipment;
- TDEC's most current 305(b)/303(d) impaired stream segment list and list of approved TMDLs;
- Storm water control measures required by the Permit must be observed to ensure that they are functioning correctly; and
- Certification that all discharge points have been visually tested or evaluated for the presence of non-storm water discharges other than the allowable non-storm water discharges identified in Section 1.7 of this Plan (Part 3.1.2 of the Permit). The certification shall include the identification of potential significant sources of non-storm water at the site, the date of any visual testing and/or evaluation, and the on-site drainage points that were directly observed during the visual test and signed in accordance with subpart 7.7. Non-storm water discharges should be reviewed annually or during any significant changes at the facility. If the review identifies changes in non-storm water discharges, the discharges should be evaluated and certified in accordance with Part 3.1.2.

The annual comprehensive site inspection may also be used as one of the routine inspections, as long as all components of both types of inspections are included.

4.3.2 Annual Comprehensive Site Inspection Documentation

Documentation of the annual comprehensive site inspection will include:

- The date of the inspection.
- The name(s) and title(s) of the personnel making the inspection.
- Findings from the examination of areas of facility with industrial activity.
- All observations relating to the implementation of control measures including:
 - previously unidentified discharges from the site;
 - previously unidentified pollutants in existing discharges;
 - evidence of, or the potential for, pollutants entering the drainage system;
 - evidence of pollutants discharging to receiving waters at all facility outfall(s), and the condition of and around the outfall, including flow dissipation measures to prevent scouring; and
 - additional control measures needed to address any conditions requiring corrective action identified during the inspection.
- Any required revisions to the SWPPP resulting from the inspection.
- Any incidents of noncompliance observed or a certification stating the facility is in compliance with the Permit (if there is no noncompliance).
- A statement signed and certified in accordance with Part 7.7 of the Permit.

5.0 Monitoring

The 3M Clinton TN facility operations falls under Sector V (SIC 2297); therefore, it is not subject to analytical monitoring under Part 6 of the Permit. Sector V does not require any additional sampling for numeric effluent limitations or benchmarks beyond those defined in Part 5.2 of the TMSP. Part 5.2 relates to coal piles which are not applicable to 3M Clinton.

5.1 IMPAIRED STREAM SEGMENT SAMPLING

The facility discharges storm water to the Clinch River. The segment and nearby downstream segments have been assessed by TDEC. The local segment and downstream section (within 5 miles) is not impaired and is not identified as an exceptional water. Thus, the facility is not subject to the sampling and reporting requirements for impaired stream segments.

6.0 Reporting and Recordkeeping

The 3M Clinton TN facility operations falls under Sector V (SIC 2297), it is not subject to analytical monitoring under Part 6 of the Permit. Sector V does not require any additional sampling for numeric effluent limitations or benchmarks beyond those defined in Part 5.2 of the TMSP. Part 5.2 relates to coal piles which are not applicable to 3M Clinton. Since 3M Clinton is not required to conduct analytical monitoring, the site is not required to submit an Annual Report.

However, 3M Clinton TN is subject to specific recordkeeping requirements as outlined in Part 6 and Part 11.V.5 of the TMSP. Complete and up-to-date records should be kept in order to demonstrate full compliance with the conditions of the Permit.

6.1 ADDITIONAL REPORTING REQUIREMENTS

3M Clinton TN shall furnish to TDEC and the local office, within a specified time, any requested information, or copies of records, which may be used to determine compliance with the Permit. The facility shall also furnish to TDEC, upon request, copies of records required to be kept by the Permit.

Where applicable, 3M Clinton TN must submit the following reports to the address listed in Section 6.5:

- The discharger is required to notify the National Response Center (NRC) at 1-800-424-8802, the Tennessee Emergency Management Agency (TEMA) at 1-800-262-3300 or (615) 741-0001, and the appropriate division's Environmental Field Office (see list of EFOs under subpart 3.3 on page 14 of this permit), in accordance with the requirements of 40 CFR Part 117 and 40 CFR Part 302, as soon as he or she has knowledge of the discharge;
- The SWPPP required under Part 4 of the TMSP must be modified within 14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the SWPPP must be reviewed by the permittee to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the SWPPP must be modified where appropriate; and
- The permittee shall submit within 14 calendar days of knowledge of the release a written description of the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and steps to be taken in accordance with this section (3.2.1 above) of this permit to the appropriate division's Environmental Field Offices (see list of EFOs under subpart 3.3 on page 14 of this permit).

6.2 RECORDKEEPING

Below is a list of records that should be maintained at 3M Clinton TN with the SWPPP. These records should be retained for a period of at least three years. The SWPPP must be kept for at least one year after the date that coverage under the Permit expires or is terminated:

- A record of any modifications made to the SWPPP during the term of the permit;
- A copy of the NOI submitted to TDEC along with any correspondence exchanged between permittee and TDEC specific to coverage under the Permit;
- A copy of the Permit (an electronic copy easily available to SWPPP personnel is also acceptable);
- Descriptions and dates of any incidences of significant spills, leaks, or other releases that resulted in discharges of pollutants to waters of the State or U.S., through storm water or otherwise; the circumstances leading to the release and actions taken in response to the release; and measures taken to prevent the recurrence of such releases;
 - The above information is documented in 3M's internal WIMS system, see Appendix I. WIMS stands for Worldwide Incident Management System. This system is used for documenting, reporting, investigating and action item tracking related to workplace incidents (including Contractor related) such as:
 - Injury/Illness
 - Fire
 - Spill or Release
 - Agency Notice
 - Exceedence
 - Complaint
 - Near Miss
 - Potential Hazard
 - Property Loss/Damage or Business Interruption
 - Agency Inspections
- Documentation of maintenance and repairs of control measures, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacement, and for repairs, date(s) that the control measure(s) returned to full function, and the justification for any extended maintenance/repair schedules;
- All inspection reports, including the Routine Facility Inspection Reports, the Quarterly Visual Assessment Reports, and the Comprehensive Site Inspection Reports;
- Descriptions of any deviations from the schedule for visual assessments and/or monitoring, and the reasons for the deviations (e.g., adverse weather, it was impracticable to collect samples within the first 30 minutes of a measurable storm event, inactive and unstaffed facility);
- Description of any corrective action taken at the facility, including triggering event and dates when problems were discovered and modifications occurred;
- Documentation to support the claim that the facility has changed its status from active to inactive and unstaffed with respect to the requirements to conduct routine facility inspections, quarterly visual assessments, and/or benchmark monitoring; and
- Records of employee training, including a signed attendance roster or certificate of completion with the date training is received.

6.3 SIGNATURE REQUIREMENTS

All records and information such as the NOI, SWPPP, reports, and certifications which are required by the Permit shall be signed in accordance with Part 7.7 of the Permit including date and signature.

Part 7.7 states that all reports required by the Permit and other information requested by TDEC shall be signed by a responsible corporate officer or a duly authorized representative. For the purpose of the Permit, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or (2) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedure.

6.3.1 Duly Authorized Representative

A person is a duly authorized representative only if:

- The authorization is made in writing by a responsible corporate officer described above and submitted to TDEC.
- The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)

3M has an official facility delegation letter from the Vice President of EHSO delegating authority to the plant manager. In addition, I have a template letter from the plant manager delegating the signing of reports, certification, etc. to a named individual such as the EHS Manager. Both of these letters are included in Appendix I.

6.3.2 Changes in Authorization

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of this section must be submitted to TDEC prior to or together with any reports, information, or applications to be signed by an authorized representative.

6.4 ADDRESS FOR ALL SUBMITTALS

Facilities that discharge storm water associated with industrial activity must use forms provided by TDEC. Forms are available on TDEC's web site at:

<http://www.tn.gov/environment/article/permit-water-npdes-industrial-stormwater-general-permit>

or by calling TDEC at (865) 594-6035. All forms must be signed in accordance with Part 7.7 of the Permit. NOIs may be submitted electronically with a copy of the SWPPP to the following email address:

Water.Permits@tn.gov

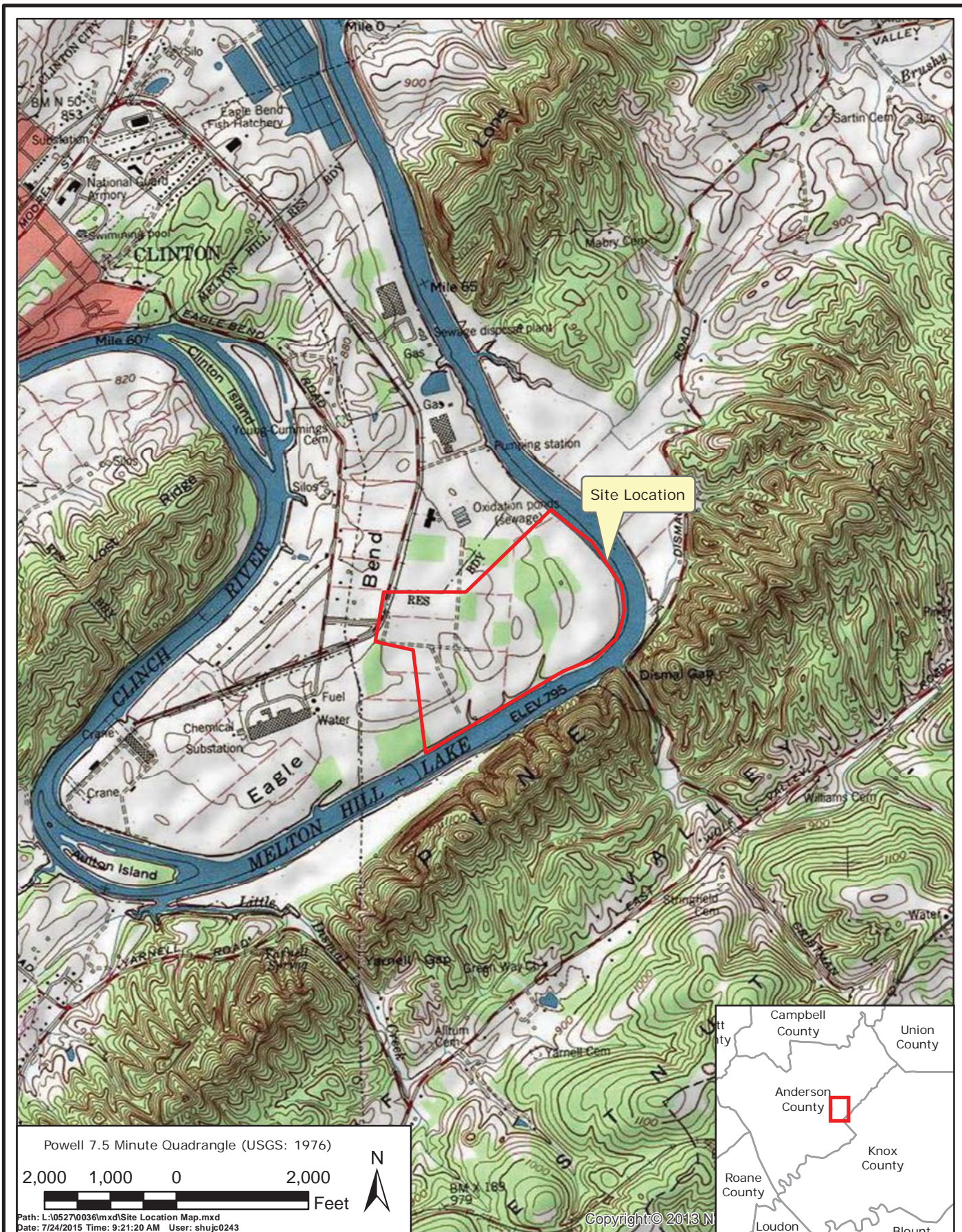
In lieu of electronic submittal, the hardcopy of the NOI and pdf of the SWPPP on CD-ROM must be submitted by return receipt certified mail (or a similar service) to TDEC at the following address:

Storm water NOI Processing
Division of Water Resources
William R. Snodgrass – Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

Signed annual reports should be submitted to the local Environmental Field Office at the following address.

Division of Water Resources - Knoxville
3711 Middlebrook Pike
Knoxville, TN 37921
(865) 594-6035

Figures



3M - CLINTON, TN

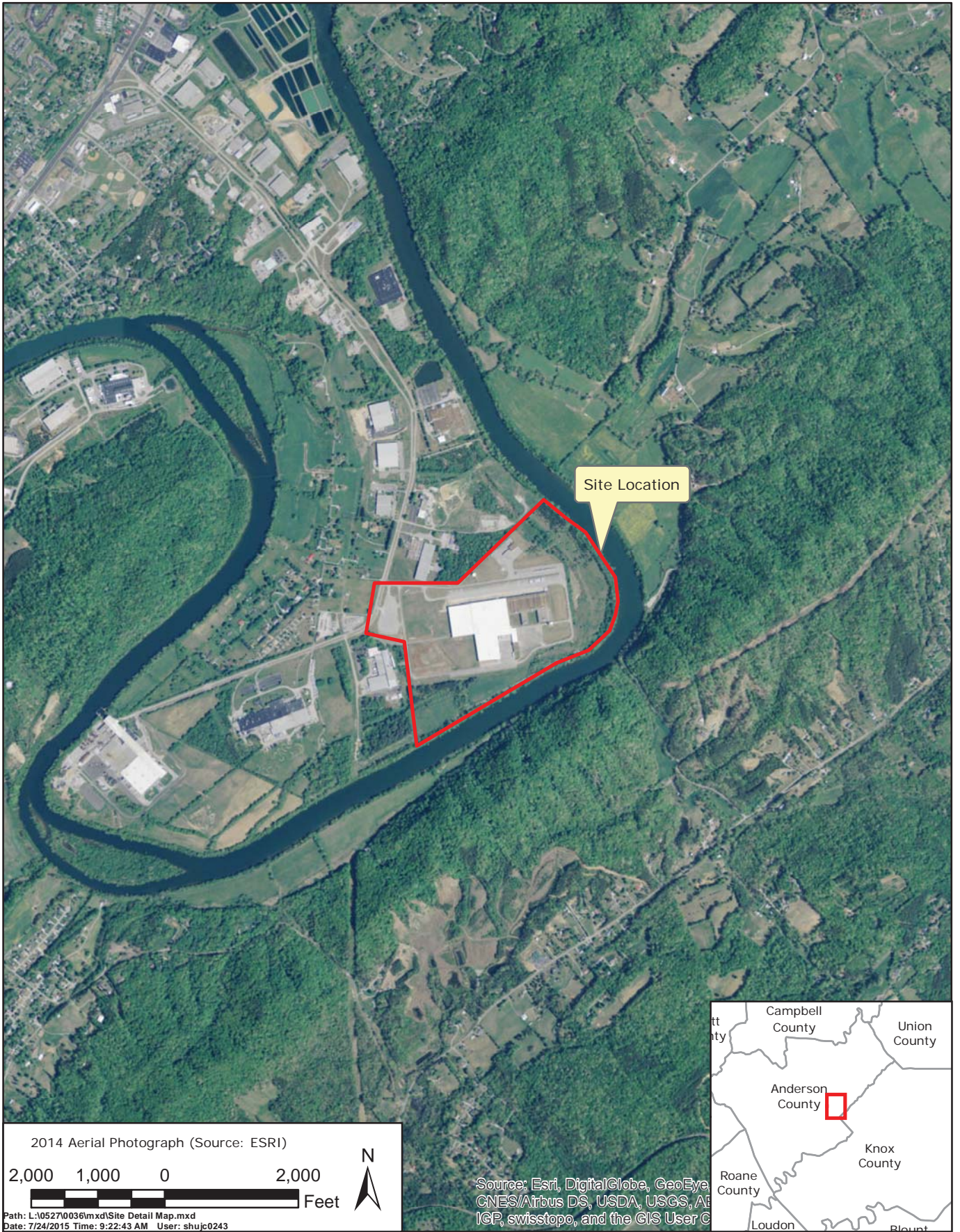
Site Location Map



Responsive partner. Exceptional outcomes.

JULY 2015

Figure 1



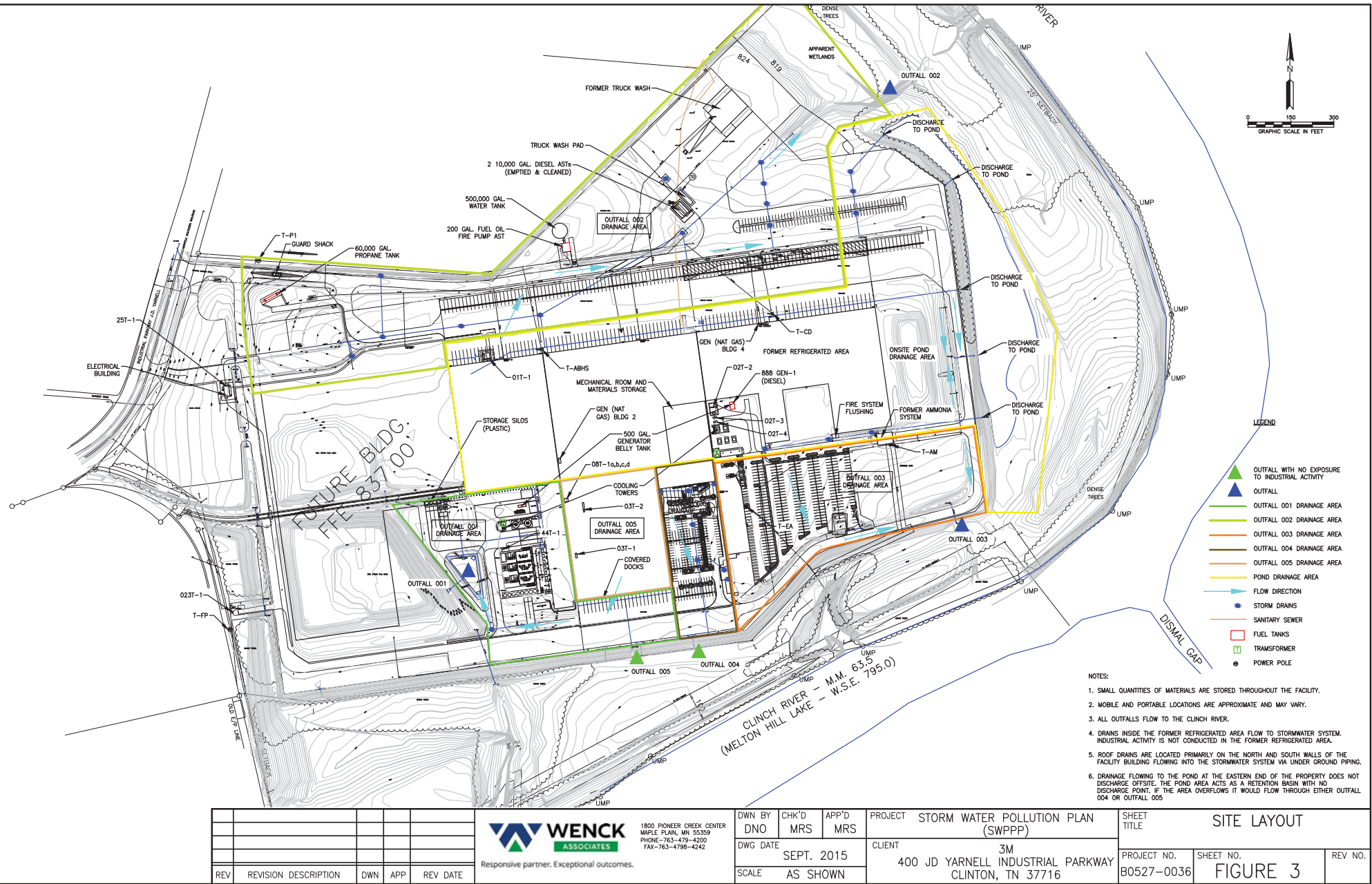
3M - CLINTON, TN

Site Detail Map



JULY 2015

Figure 2



Appendix A

Notice of Intent



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243

1-888-891-8332 (TDEC)

Notice of Intent (NOI) for General NPDES Multi-Sector Permit for Stormwater Discharges from Industrial Activities

Type of application: ☒ New ☐ Reissuance ☐ Modification

(If this NOI is submitted for Permit Modification provide the existing permit tracking number: TNR05_____)

Facility Name: 3M Clinton	County: Anderson
Street Address or Location: 400 JD Yarnell Industrial Parkway, Clinton, TN 37716	Latitude (DD.DDD): 36.094 Longitude (-DD.DDD): -84.102
Attach a copy of a topo map, a city map, or a county map, identifying the location of this facility and each outfall	<input checked="" type="checkbox"/> Map Attached
Has a Storm Water Pollution Prevention Plan (SWPPP) been developed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Owner or Operator: (the person or legal entity which controls facility's operation; this may or may not be the same as the facility name or the official contact name)

1	Official Contact Person Name: (Individual Responsible for a Facility) Jason Leslie	Title or Position: Plant Manager		
	Mailing Address: 400 JD Yarnell Industrial Parkway	City: Clinton	State: TN	Zip: 37716
	Phone: () 865-781-5103	E-mail: jleslie@mmm.com		

2	Local Contact Person Name: (if appropriate, write "same as #1") Andrew Heckl	Title or Position: Plant Engineering & EHS Manager		
	Facility Address: (this may or may not be the same as street address) 400 JD Yarnell Industrial Parkway	Facility City: Clinton	State: TN	Zip: 37716
	Phone: () 865-481-5112	E-mail: aheckl@mmm.com		

Write in the box (to the right) or circle the number (above) to indicate where to send correspondence and invoices: **2**

Stormwater runoff enters following stream(s) and/or lake(s): (for each outfall, give names and latitude/longitude) Clinch River. 001 = 36.0912, -84.1008; 002 = 36.0973, -84.0992 003 = 36.0925 -84.0977		Number of storm water outfalls: 3																			
Nature of business: Manufacturing - glass for O&G operations, fabric for auto insulation	SIC code(s): (primary code listed as No. 1, secondary, if applicable, as No.2, etc.) <table border="1"><tr><td>1. 2297</td><td>2.</td><td>3.</td><td>4.</td><td>5.</td><td>6.</td></tr></table>					1. 2297	2.	3.	4.	5.	6.										
1. 2297	2.	3.	4.	5.	6.																
Area of property associated with industrial activity: 74 Acres (area of facility property should not include recreation areas, landscaping, lawns, greenfields, forest, office buildings, employee parking lots, etc.)	Permit Sectors (STATE USE ONLY) <table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																				
Activities at facility: Check all that apply. <table border="0"><tr><td>01. <input checked="" type="checkbox"/> Manufacturing</td><td>05. <input type="checkbox"/> Vehicle Maintenance</td><td>09. <input type="checkbox"/> Wastewater treatment</td><td>13. <input type="checkbox"/> Coal Pile</td></tr><tr><td>02. <input checked="" type="checkbox"/> Storage/Distribution</td><td>06. <input type="checkbox"/> Hazardous waste TSD</td><td>10. <input type="checkbox"/> Land application</td><td>14. <input type="checkbox"/> Borrow Pit or Soil Harvesting</td></tr><tr><td>03. <input type="checkbox"/> Vehicle Storage</td><td>07. <input type="checkbox"/> Outside waste disposal</td><td>11. <input type="checkbox"/> Landfill</td><td>99. <input type="checkbox"/> Other: _____</td></tr><tr><td>04. <input type="checkbox"/> Trucking Terminal</td><td>08. <input type="checkbox"/> Recycling</td><td>12. <input type="checkbox"/> Mining operation</td><td></td></tr></table>						01. <input checked="" type="checkbox"/> Manufacturing	05. <input type="checkbox"/> Vehicle Maintenance	09. <input type="checkbox"/> Wastewater treatment	13. <input type="checkbox"/> Coal Pile	02. <input checked="" type="checkbox"/> Storage/Distribution	06. <input type="checkbox"/> Hazardous waste TSD	10. <input type="checkbox"/> Land application	14. <input type="checkbox"/> Borrow Pit or Soil Harvesting	03. <input type="checkbox"/> Vehicle Storage	07. <input type="checkbox"/> Outside waste disposal	11. <input type="checkbox"/> Landfill	99. <input type="checkbox"/> Other: _____	04. <input type="checkbox"/> Trucking Terminal	08. <input type="checkbox"/> Recycling	12. <input type="checkbox"/> Mining operation	
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04. <input type="checkbox"/> Trucking Terminal	08. <input type="checkbox"/> Recycling	12. <input type="checkbox"/> Mining operation																			

CERTIFICATION AND SIGNATURE (Make all entries in ink, not with a pencil. This NOI must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment, as specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

JASON LESLIE	PLANT MANAGER		12/02/15
Printed Name	Official Title	Signature	Date

STATE USE ONLY

Received Date	Fees(s)	Reviewer	EFO	Tracking No. TNR05
	T & E Aquatic Fauna	Exceptional TN Water?	Unavailable Conditions	NOC Date

Appendix B

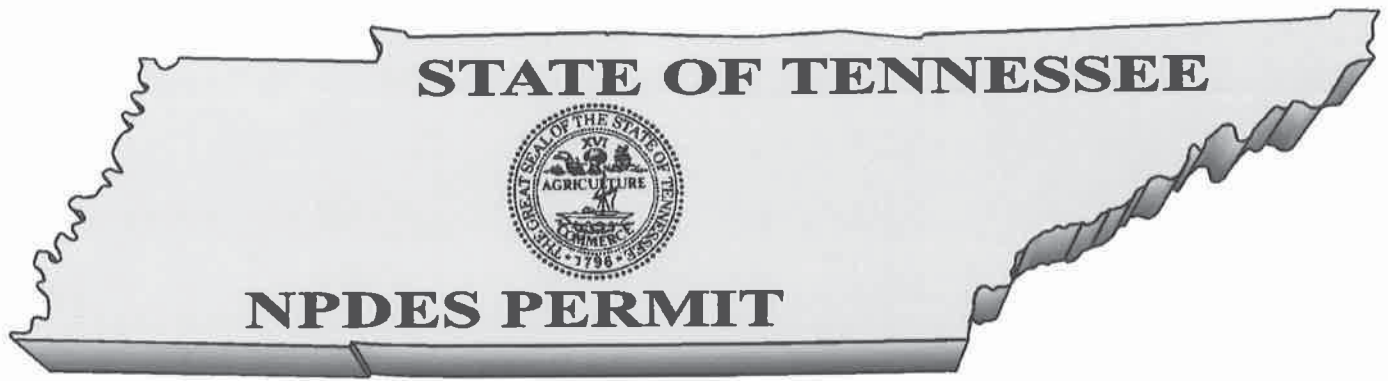
**National Pollutant Discharge Elimination System
(NPDES) Tennessee Storm Water Multi-Sector General
Permit for Industrial Activity (TMSP) - Permit No.
TNR0500000**

Sector V - Summary

You now have Tennessee Multi-Sector Stormwater Permit (TMSP) coverage. Here's what to do next:

1. Keep the **Notice of Coverage (NOC)** on-site (*Section 4.2.2 of the TMSP*)
2. Make sure the **Storm Water Pollution Prevention Plan (SWPPP)** is signed (*Section 4.2.1 of the TMSP*), kept on-site, and contains at a minimum the following information (*Section 3 of Sector V*):
 - List of the pollution prevention team members;
 - Drainage map showing outfalls and directions of stormwater runoff;
 - Description of potential pollutant sources at the facility; and
 - Description of ways to prevent pollution of stormwater
3. Make sure that stormwater management controls described in the SWPPP are in place. For example:
 - Maintain areas onsite that may contribute pollution to stormwater (*Section 3.2.3.1 of Sector V*) including:
 - Material Storage Areas;
 - Material Handling Areas;
 - Fueling Areas; and
 - Above Ground Storage Tank Areas
 - Conduct preventive maintenance of equipment (*Section 3.2.3.2 of Sector V*); and
 - Have a procedure in place for cleaning up spills that may occur onsite (*Section 3.2.3.3 of Sector V*)
4. Conduct inspections, make notes, and keep inspection notes on-site:
 - ✓ **Monthly** – during dry weather, check areas that may cause pollution of stormwater (*Section 3.2.3.4 of Sector V*);
 - ✓ **Quarterly** – when it rains, check all outfalls for signs of pollution (*Section 5 of Sector V*); and
 - ✓ **Annually** – during dry weather, check entire site and all outfalls (*Section 3.2.4 of Sector V*):
 - Write a report describing any problems noted during inspection

Disclaimer: This document is strictly an outline of TMSP permit requirements and is not intended to replace the TMSP and specific sector documents. The permittee is obligated to comply with all terms and conditions outlined in the permit, found here: <http://state.tn.us/environment/permits/tmsp.shtml>.



TENNESSEE STORM WATER
MULTI-SECTOR GENERAL PERMIT
FOR INDUSTRIAL ACTIVITIES

PERMIT NO. TNR050000

Under authority of the Tennessee Water Quality Control Act of 1977 (T.C.A. 69-3-101 et seq.) and the delegation of authority from the United States Environmental Protection Agency under the Federal Water Pollution Control Act, as amended by the Clean Water Act of 1977 (33 U.S.C. 1251, et seq.) and the Water Quality Act of 1987, P.L. 100-4, except as provided in section 1.2.3 below of this stormwater multi-sector general permit, operators of point source discharges of stormwater associated with industrial activity that discharge into waters of the state of Tennessee, represented by the industry sectors identified in part 11 of this permit, are authorized to discharge stormwater runoff associated with industrial activity in accordance with the following stormwater pollution prevention plan requirements, effluent limitations, monitoring and reporting requirements and other provisions as set forth in parts 1 through 11 herein, from the subject facility to waters of the state of Tennessee.

This permit is issued on: **April 14, 2015**

This permit is effective on: **April 15, 2015**

This permit expires on: **April 14, 2020**

A handwritten signature in black ink, appearing to read "Tisha Calabrese Benton", written over a horizontal line.

Tisha Calabrese Benton
Director

**NPDES GENERAL PERMIT
FOR
STORM WATER DISCHARGES FROM INDUSTRIAL ACTIVITIES**

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2.	SPECIAL CONDITIONS	1
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2.	SPECIAL CONDITIONS	1
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3.	STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS	2
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2. SPECIAL CONDITIONS	1
3. STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS	1
4. NUMERIC EFFLUENT LIMITATIONS	6
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3. STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS	2
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2. SPECIAL CONDITIONS	2

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2.	SPECIAL CONDITIONS	1
3.	STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS	1
4.	NUMERIC EFFLUENT LIMITATIONS	6
5.	MONITORING AND REPORTING REQUIREMENTS	6
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	That Are Not Covered Under Sectors A Thru AC (Monitoring Not Required)	1
1.	DISCHARGES COVERED UNDER THIS SECTION	1
2.	SPECIAL CONDITIONS	1
3.	STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS	1
4.	NUMERIC EFFLUENT LIMITATIONS	6
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1. COVERAGE UNDER THIS PERMIT

1.1. Permit Area

The permit is being issued for the State of Tennessee.

1.2. Eligibility

1.2.1. Discharges Covered

Except for stormwater discharges identified under section 1.2.3 below, this permit may cover all new and existing point source discharges of stormwater to waters of the state of Tennessee that are associated with industrial activity identified under the coverage sections contained in part 11. (see Table 1). Military installations must comply with the permit and monitoring requirements for all sectors that describe industrial activities that such installations perform. Similarly, facilities that have "co-located" activities, see subpart 3.4 below, that are described in more than one sector need to comply with applicable conditions of each sector.

Table 1

Stormwater Discharges From:	SIC Codes:	Are Listed in Part:
Timber Products Facilities	2411, 2421, 2426, 2429, 2431- 2439 (except 2434), 2441-2449, 2451, 2452, 2491- 2499	11.A.1.
Paper and Allied Products Manufacturing Facilities	2611, 2621, 2631, 2652 - 2657, 2671, 2672- 2679	11.B.1.
Chemical and Allied Products Manufacturing Facilities	2812- 2819, 2821- 2824, 2841, 2833- 2836, 2842- 2844, 2851, 2861- 2869, 2873- 2879, 2891- 2899. 2911, 3952	11.C.1.
Asphalt Paving, Roofing Materials, and Lubricant Manufacturing Facilities	2951, 2952, 2992	11.D.1.
Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing Facilities	3211, 3221, 3229, 3231, 3241, 3251, 3252, 3255, 3259, 3261, 3262, 3263, 3264, 3269, 3271, 3272, 3273, 3274, 3275, 3281, 3285, 3291, 3292, 3295, 3296, 3297, 3299	11.E.1.
Primary Metals Facilities	3312- 3317, 3321-3325, 3331, 3334, 3339, 3341, 3351-3357, 3363 - 3369, 3398, 3399	11.F.1.
Metal Mines (Ore Mining and Dressing) (RESERVED)	(RESERVED)	11.G.1.
Inactive Coal Mines and Inactive Coal Mining-Related Facilities	1221, 1222, 1231, 1241	11.H.1.

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Stormwater Discharges From:	SIC Codes:	Are Listed in Part:
Oil or Gas Extraction Facilities	1311, 1321, 1381, 1382, 1389	11.I.1.
Construction Sand and Gravel Mining and Processing and Dimension Stone Mining and Quarrying Facilities	1411, 1422, 1423, 1429, 1442, 1446, 1455, 1459, 1474- 1479, 1481, 1499	11.J.1.
Hazardous Waste Treatment Storage or Disposal Facilities	4953, however, may use main facility's SIC code	11.K.1.
Landfills and Land Application Sites	4953, except for hazardous waste TSD facilities	11.L.1.
Automobile Salvage Yards	5015	11.M.1.
Scrap Recycling and Waste and Recycling Facilities	5093	11.N.1.
Steam Electric Power Generating Facilities	4911	11.O.1.
Vehicle Maintenance or Equipment Cleaning areas at Motor Freight Transportation Facilities, Passenger Transportation Facilities, Petroleum Bulk Oil Stations and Terminals, the United States Postal Service, or Railroad Transportation Facilities	4011, 4013, 4111, 4119, 4121, 4131, 4141, 4142, 4151, 4173, 4212, 4213, 4214, 4215, 4221, 4222, 4225, 4226, 4231, 4311, 5171	11.P.1.
Vehicle Maintenance Areas and Equipment Cleaning Areas of Water Transportation Facilities	4412, 4424, 4432, 4449, 4481, 4482, 4489, 4491, 4492, 4493, 4499	11.Q.1.
Ship or Boat Building and Repair Yards	3731, 3732	11.R.1.
Vehicle Maintenance Areas, Equipment Cleaning Areas or From Airport Deicing Operations located at Air Transportation Facilities	4512, 4513, 4522, 4581	11.S.1.
Wastewater Treatment Works	4952	11.T.1.
Food and Kindred Products Facilities	2011, 2013, 2015, 2021, 2022, 2023, 2024, 2026, 2032, 2033, 2034, 2035, 2037, 2038, 2041, 2043, 2044, 2045, 2046, 2047, 2048, 2051, 2052, 2053, 2061, 2062, 2063, 2064, 2066, 2067, 2068, 2074, 2075, 2076, 2077, 2079, 2082, 2083, 2084, 2085, 2086, 2087, 2091, 2092, 2095, 2096, 2097, 2098, 2099, 2111, 2121, 2131, 2141	11.U.1.

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Stormwater Discharges From:	SIC Codes:	Are Listed in Part:
Textile Mills, Apparel and other Fabric Product Manufacturing Facilities	2211, 2221, 2231, 2241, 2251, 2252, 2253, 2254, 2257, 2258, 2259, 2261, 2262, 2269, 2273, 2281, 2282, 2284, 2295, 2296, 2297, 2298, 2299, 2311, 2321, 2322, 2323, 2325, 2326, 2329, 2331, 2335, 2337, 2339, 2341, 2342, 2353, 2361, 2369, 2371, 2381, 2384, 2385, 2386, 2387, 2389, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2399, 3131, 3141, 3143, 3144, 3149, 3151, 3161, 3171, 3172, 3199	11.V.1.
Furniture and Fixture Manufacturing Facilities	2434, 2511, 2512, 2514, 2515, 2517, 2519, 2521, 2522, 2531, 2541, 2542, 2591, 2599	11.W.1.
Printing and Platemaking Facilities	2721, 2732, 2741, 2752, 2754, 2759, 2761, 2771, 2782, 2789, 2791, 2796	11.X.1.
Rubber and Miscellaneous Plastic Product Manufacturing Facilities	3011, 3021, 3052, 3053, 3061, 3069, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3931, 3942, 3944, 3949, 3951, 3952, 3953, 3955, 3961, 3965, 3991, 3993, 3995, 3996, 3999	11.Y.1.
Leather Tanning and Finishing Facilities	3111, 3143	11.Z.1.
Facilities That Manufacture Metal Products including Jewelry, Silverware and Plated Ware	3441, 3412, 3421, 3423, 3425, 3429, 3431, 3432, 3433, 3441, 3442, 3443, 3444, 3446, 3448, 3449, 3451, 3452, 3463, 3465, 3466, 3469, 3471, 3479, 3482, 3483, 3484, 3489, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3911, 3914, 3915	11.AA.1.

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Stormwater Discharges From:	SIC Codes:	Are Listed in Part:
Facilities That Manufacture Transportation Equipment, Industrial or Commercial Machinery	3511, 3519, 3523, 3524, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3552, 3553, 3554, 3555, 3556, 3559, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3581, 3582, 3585, 3586, 3589, 3592, 3593, 3594, 3596, 3599, 3711, 3713, 3714, 3715, 3716, 3721, 3724, 3728, 3743, 3751, 3761, 3764, 3769, 3792, 3795, 3799	11.AB.1.
Facilities That Manufacture Electronic and Electrical Equipment and Components, Photographic and Optical Goods	3571, 3572, 3575, 3577, 3578, 3579, 3612, 3613, 3621, 3624, 3625, 3629, 3631, 3632, 3633, 3634, 3635, 3639, 3641, 3643, 3644, 3645, 3646, 3647, 3648, 3651, 3652, 3661, 3663, 3669, 3671, 3672, 3674, 3675, 3677, 3678, 3679, 3691, 3692, 3694, 3695, 3699, 3812, 3813, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3829, 3841, 3842, 3843, 3844, 3851, 3861, 3873	11.AC.1.
Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Required)	Varies, may include 9999	11.AD.1.
Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Not Required)	Varies, may include 9999	11.AE.1.
Stormwater Discharges Associated With Industrial Activity From Borrow Pits, Soil Harvesting Sites and Spoil Piles	Varies, may include 9999	11.AF.1.

Although the Office of Management and Budget's North American Industry Classification System is intended to replace the 1987 Standard Industrial Classification (SIC) Code, the EPA decided to continue using the 1987 SIC code system as the primary classification system under this permit because the stormwater regulations (40 CFR 122.26(b) (14)) refer to these codes and because this code system adequately identifies the facilities.

1.2.2. Construction

This permit may authorize stormwater discharges associated with industrial activity that are mixed with stormwater discharges associated with industrial activity from construction

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activities, provided that the stormwater discharge from the construction activity is authorized by and in compliance with the terms of a different NPDES (National Pollutant Discharge Elimination System) general permit or individual permit authorizing such discharges.

1.2.3. Limitations on Coverage

The following stormwater discharges associated with industrial activity are not authorized by this permit:

- Storm water discharges associated with industrial activities that are not listed under the coverage sections contained in part 11 (see Table 1 above).
- Storm water discharges associated with industrial activity that are mixed with sources of non-stormwater other than non-stormwater discharges that are:
 - In compliance with a different NPDES permit; or
 - Identified by and in compliance with subpart 3.1 (Prohibition of Non-stormwater Discharges) of this permit.
- Storm water discharges associated with industrial activity that are subject to an existing NPDES individual or general permit.
- Are located at a facility where an NPDES permit has been issued in accordance with subpart 7.11 (Requiring an Individual Permit or an Alternative General Permit) of this permit.
- Storm water discharges associated with industrial activity that the Division of Water Resources (the division) has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard.
- Discharges subject to stormwater effluent guidelines, not described under part 11.
- Storm water discharges associated with industrial activity from inactive mining, inactive landfills, or inactive oil and gas operations occurring on Federal lands where an operator cannot be identified.
- Discharges Negatively Affecting a Property on the National Historic Register – Industrial stormwater discharges that would negatively affect a property that is listed or is eligible for listing in the National Historic Register maintained by the Secretary of Interior.
- Discharges into Outstanding National Resource Waters – The director shall not grant coverage under this permit for discharges into waters that are designated by the Water Quality Control Board as Outstanding National Resource Waters (ONRWs) Designation of ONRWs are made according to TDEC Rules, [Chapter 0400-40-3-.06](#).
- Discharges into Exceptional Tennessee Waters – The director shall not grant coverage under this permit for potential discharges of pollutants, which would cause degradation to waters designated by TDEC as Exceptional Tennessee waters. Identification of Exceptional Tennessee waters is made according to TDEC Rules, [Chapter 0400-40-3-.06](#).
- Discharges to waters with unavailable parameters:

Any operator who intends to obtain authorization under the TMSP for all new and existing stormwater discharges to waters with unavailable parameters, or discharges upstream of waters impaired by the same parameter, that may affect the waters with unavailable parameters, from facilities where there is a reasonable potential to contain pollutants for which the receiving water is impaired, must satisfy the following conditions prior to the authorization:

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1 Requirements for New Discharges or Existing Discharges Proposing an Increase of Pollutant Loading

Prior to the division's granting coverage under the TMSP, the operator shall provide an estimate of pollutant loads in stormwater discharges from the facility to the division. This estimate shall include the documentation upon which the estimate is based (e.g., sampling data from the facility, sampling data from substantially identical outfalls at similar facilities, modeling, etc.). Existing facilities should base this estimate on actual analytical data, if available. This information shall be submitted in writing to the division (see subpart 2.3: Where to Submit) at least 90 days prior to commencement of proposed industrial activities at the site.

If a Total Maximum Daily Load (TMDL) has been approved, permit coverage is available only if the operator has received notice from the division confirming eligibility.

Following receipt of the information regarding an estimate of pollutant loads, the division anticipates using the following process in making eligibility determinations for new discharges into waters that do not meet their designated classified use where a TMDL has been developed:

- The division will notify the facility operator that the estimated pollutant load is consistent with the TMDL and that the proposed stormwater discharges meet the eligibility requirements of the TMSP and may be authorized under this permit; or
- The division will notify the facility operator and EPA that the estimated pollutant load is not consistent with the TMDL and that the proposed stormwater discharges do not meet the eligibility requirements of the TMSP and cannot be authorized under this NPDES permit.

If a Total Maximum Daily Load (TMDL) has not been approved, permit coverage for new discharges or existing discharges proposing an increase of pollutant loading is not available under this permit for discharges to waters with unavailable parameters and the operator must seek coverage under a separate (individual) permit.

2 Requirements for Existing Discharges

If a Total Maximum Daily Load (TMDL) has been approved, permit coverage is available only if the operator has received notice from the division confirming eligibility.

If a TMDL has been approved, the division will require the operator to provide an estimate of pollutant loads in stormwater discharges from the facility. This estimate must include the documentation upon which the estimate is based (e.g., sampling data from the facility, sampling data from substantially identical outfalls at similar facilities, modeling, etc.). Facilities with existing discharges must base this estimate on actual analytical data, if available.

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The division anticipates using the following process in making eligibility determinations for existing discharges into waters with unavailable parameters where a TMDL has been approved:

- the division will notify the facility operator that the estimated pollutant load is consistent with the TMDL and that the proposed stormwater discharges meet the eligibility requirements of the TMSP and may be authorized under this NPDES permit; or
- the division will notify the facility operator that the estimated pollutant load is not consistent with the TMDL and that the proposed stormwater discharges do not meet the eligibility requirements of the TMSP and cannot be authorized under this NPDES permit.

If a Total Maximum Daily Load (TMDL) has not been approved at the time of permit authorization, coverage under this permit is available only if the pollutant loading from existing facilities remains unchanged or is reduced as a result of additional pollution prevention measures as identified in the facility's Stormwater Pollution Prevention Plan (SWPPP).

If a TMDL is approved during the term of this permit and identifies existing permitted discharges as having a reasonable potential to contain pollutants for which the receiving water has unavailable parameters, these discharges shall no longer be authorized by this permit unless, following notification by the division:

- The operator completes revisions to the Stormwater Pollution Prevention Plan (SWPPP) to include additional and/or modified Best Management Practices (BMPs) designed to comply with any applicable Waste Load Allocation (WLA) established for facility discharges within 30 calendar days following notification by the division; and
- The operator implements the additional and/or modified BMPs not requiring construction within 60 days;
- In cases where construction is necessary, the SWPPP shall contain a schedule that provides compliance with the SWPPP as expeditiously as practicable, but no later than 1 year following notification by the division; and
- A report is submitted to the division, which documents actions taken to comply with this condition, including estimated pollutant loads, within 90 calendar days following implementation of the additional and/or modified BMPs.

Additional Monitoring for Existing Discharges to Waters with Unavailable Parameters

The permittee shall perform analytical monitoring for each outfall at least quarterly for any pollutant(s) for which the water has unavailable parameters where there is a reasonable potential for discharges to contain any or all of these pollutants (i.e. the pollutant is listed in the Monitoring and Reporting Requirements part of the applicable sector or the facility has knowledge that a pollutant of concern is present at the facility and exposed to stormwater). Monitoring results should be submitted to the division using the stormwater

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monitoring report (see Reporting: Where to Submit) within 45 calendar days following sample collection. These monitoring requirements are not eligible for any waivers listed elsewhere in the permit.

1.2.4. Stormwater Not Associated With Industrial Activity

Storm water discharges associated with industrial activity that are authorized by this permit may be combined with other sources of stormwater that are not classified as associated with industrial activity pursuant to 40 CFR 122.26(b)(14).

1.2.5. Threatened and Endangered Species Protection

- a) Issuance of a Notice of Coverage (NOC) under this permit will constitute confirmation of the division's finding that, with properly developed and implemented SWPPP, the discharges authorized hereunder are not likely to result in the taking of threatened and endangered species.
- b) Should the division later determine that the discharges covered by this permit would result in the taking of threatened or endangered species, or are otherwise not in compliance with the [Endangered Species Act](#), the director, after written notification to the permittee, shall either:
 - i. Notify the permittee that it is no longer eligible for coverage under this permit and require coverage under an individual NPDES permit. The permittee will continue to be covered under this permit until the division issues an individual NPDES permit, provided a timely application for an individual permit is made. A timely application is defined as submitting to the division a complete permit application, including sampling, within 90 days of the notice from the director requiring the application. A permittee may request a later date for the timely submission of an individual NPDES permit application for just cause; or
 - ii. Notify the permittee that it must modify its SWPPP such that as a consequence, the discharges authorized by this permit will not result in the taking of threatened and endangered species and otherwise be in compliance with the Endangered Species Act. The permittee shall have 60 days after such notice to make such modifications to the SWPPP, and then 12 weeks to implement these modifications, unless the permittee justifies to the division that a longer time is necessary for their implementation. Should a longer time be required, the permittee shall submit to the division's local Environmental Field Office (see list of EFOs under subpart 3.3 on page 14 of this permit) a brief summary of the proposed modifications of SWPPP, including a timetable for implementation.

1.3. Authorization

Dischargers of stormwater associated with industrial activity must submit a complete Notice of Intent (NOI) in accordance with the requirements of part 2 of this permit, using a NOI form as found in **Addendum B** (or a copy thereof), to be authorized to discharge under this general permit. The division will send to the permittee a written Notice of Coverage (NOC), informing the permittee that the NOI was received and stormwater discharges from the industrial activity have been approved under this general permit. The operator is authorized to discharge stormwater associated with the industrial activity as of the effective date on the

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division prepared NOC. A copy of the NOC shall be kept on site. The division may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.

Assigning a permit tracking number by the division to a proposed stormwater discharge does not confirm or imply an authorization to discharge under this permit. Correspondence with the permittee is maintained through the primary contact person listed on the NOI.

1.4. Permit Eligibility Regarding Protection of Water Quality Standards and Compliance with State Anti-degradation Requirements

Pursuant to the Rules of the Tennessee Department of Environment and Conservation (the department), Chapter 0400-40-3-.06, titled "Tennessee Antidegradation Statement," and in consideration of the department's directive in attaining the greatest degree of effluent reduction achievable in municipal, industrial, and other wastes, the permittee shall further be required, pursuant to the terms and conditions of this permit, to comply with any applicable Waste Load Allocations (WLA), effluent limitations, and schedules of compliance, required to implement applicable water quality standards, to comply with a State Water Quality Plan or other State or Federal laws or regulations, or where practicable, to comply with a standard permitting no discharge of pollutants. Additional Stormwater Pollution Prevention Plan (SWPPP) requirements, as described in subpart 4.6, are applicable to new discharges and discharges which constitute an increase of pollutant loading for discharges to waters identified by the department as Exceptional Tennessee waters, or discharges upstream of Exceptional Tennessee waters, that may affect the Exceptional Tennessee waters.

1.5. Overview of the Multi-Sector General Permit

Parts 1 through 10 of this general permit apply to all industrial facilities. Parts 1 and 2 describe eligibility requirements and the process for obtaining permit coverage. Parts 3 through 10 contain "basic" permit requirements.

part 11 provides additional requirements for particular sectors of industrial activity. For example, primary metal facilities adds subpart 11.F. to the "universal" parts 1 through 10 requirements.

Some facilities may have "co-located" activities that are described in more than one sector and need to comply with applicable conditions of each sector. For example, a chemical manufacturing facility could have a land application site and be subject to subpart 11.C. - Chemical and Allied products Manufacturing sector (primary activity), with runoff from the land application site (co-located activity) also subject to conditions in subpart 11.L. - Landfills and Land Application Sites.

2. NOTIFICATION REQUIREMENTS

2.1. Deadlines for Notification

2.1.1. Existing Facility

Except as provided in sections 2.1.4 (New Operator), and 2.1.5 (Late Notification), individuals who intend to obtain coverage for an existing stormwater discharge associated

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with industrial activity under this general permit shall submit an NOI in accordance with the requirements of this part not more than 30 days following the effective date of this permit.

2.1.2. New Facility

For a new facility, an NOI shall be submitted at least 7 days prior to the commencement of any industrial activity, except as provided in sections 2.1.3 (Oil and Gas Operations), 2.1.4 (New Operator), and 2.1.5 (Late Notification).

2.1.3. Oil and Gas Operations

Operators of oil and gas exploration, production, processing, or treatment operations or transmission facilities, that were not required to submit a permit application as of May 31, 1997 in accordance with 40 CFR 122.26(c)(1)(iii), but that after May 31, 1997 have a discharge of a reportable quantity of oil or a hazardous substance for which notification is required pursuant to either 40 CFR 110.6, 40 CFR 117.21, or 40 CFR 302.6, must submit an NOI in accordance with the requirements of this permit within 14 calendar days of the first knowledge of such release.

2.1.4. New Operator

Where the operator of a facility with a stormwater discharge associated with industrial activity that is covered by this permit changes, the new operator of the facility must submit an NOI in accordance with the requirements of this part at least 5 days prior to the change.

2.1.5. Late Notification

An operator of a stormwater discharge associated with industrial activity is not precluded from submitting an NOI in accordance with the requirements of this part after the dates provided in sections 2.1.1, 2.1.2, 2.1.3, or 2.1.4 of this permit.

2.2. Contents of Notice of Intent

The NOI shall be signed in accordance with subpart 7.7 (Signatory Requirements) of this permit and shall include the following information:

2.2.1. Change of Operator

Whether this NOI is being submitted due to a change in the operator or to update facility information (such as a name of facility, new contact, E-mail address, etc.) of a facility which is currently covered under the Tennessee Stormwater Multi-Sector General Permit for Industrial Activities, the former or the current operator's permit tracking number;

2.2.2. Facility Identification and Location Information

The legal and official name of the facility, and the address or description of location of the facility, the name of county the facility is located, facility latitude and longitude, as well as a copy of a U.S.G.S. topographical map, a city map, or a county map, identifying the location of the facility;

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2.2.3. Facility Operator

The name of the person, firm, organization, or other entity, which owns and/or operates the subject facility; the name, title or position, mailing address and E-mail of an official contact person, as well as the facility contact person (i.e. local contact, if applicable) and an indication of the mailing address where correspondence should be sent;

2.2.4. Receiving Water and Outfall Information

Number of stormwater outfalls at the facility; for each outfall, names and stream miles or location(s) of the receiving stream(s) and/or lake(s);

2.2.5. Industrial Information

The SIC (Standard Industrial Classification) code(s) for the facility (primary, secondary-if applicable-etc.), a brief description of the nature of the business at the facility, and an indication of which activities are occurring at the facility; area of property associated with industrial activity in acres (Please note that area of facility property should not include recreation areas, landscaping, lawns, greenfields, forest, office buildings, employee parking lots, etc.);

2.2.6. Certification and Signature

The following certification shall be signed in accordance with subpart 7.7:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the site, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

2.2.7. Pollution Prevention Plan Preparation and Implementation

All new and existing facilities that request coverage under this permit must have a stormwater pollution prevention plan (SWPPP) prepared and implemented in accordance with part 4 of this permit, prior to NOI submittal. For those permittees switching coverage from the expiring TMSP, existing SWPPPs will satisfy the requirement to have a plan developed before the NOI is signed, when modified as necessary in accordance with section 4.1.4. Do not include a copy of the SWPPP with the NOI submission, except as required by subpart 4.6 of this permit.

2.3. Where to Submit

Facilities that discharge stormwater associated with industrial activity must use an NOI form provided by the division (or a copy thereof). NOIs must be signed in accordance with subpart

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7.7 below (Signatory Requirements) of this permit. NOIs are to be submitted to the division at the following address:

**Stormwater NOI Processing
Division of Water Resources
William R. Snodgrass - Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243**

2.4. Electronic Submission of NOIs

The division supports and encourages submission of electronic documents (e.g., scanned NOIs submitted as PDF files) by using a dedicated email address:

Water.Permits@tn.gov

If the division notifies dischargers (directly by mail or E-mail, by public notice, or by making information available on the Internet) of other NOI form options that become available at a later date (e.g., direct online submission of forms), the permittees may take advantage of those options to satisfy the NOI notification requirements.

3. SPECIAL CONDITIONS

3.1. Prohibition of Non-stormwater Discharges

3.1.1. Stormwater Discharges

All discharges covered by this permit shall be composed entirely of stormwater except as allowed in section 3.1.2 below.

3.1.2. Allowable Non-Stormwater Discharges

Discharges of material other than stormwater must be in compliance with an NPDES permit (other than this permit and as listed below) issued for the discharge. This permit authorizes the following non-stormwater discharges:

- Fire hydrant flushings;
- Potable water including water line flushings;
- Uncontaminated air conditioning or compressor condensate;
- Irrigation drainage;
- Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions;
- Washing of sidewalks, buildings, etc. to which no detergents have been added; wash water should also be free of any other pollutants such as sediment, debris, etc.
- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials such as solvents;
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of your facility, but NOT intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).

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- Discharges from wet deck storage areas, which are authorized only if no chemical additives are used in the spray water or applied to the logs.

The facility's SWPPP shall include a certification that the discharge has been tested or evaluated for the presence of non-storm water discharges. The certification shall include the identification of potential significant sources of non-storm water at the site, a description of the results of any test and/or evaluation for the presence of non-storm water discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the onsite drainage points that were directly observed during the test. Certifications shall be signed in accordance with subpart 7.7. of this permit.

3.2. Releases in Excess of Reportable Quantities

3.2.1. Hazardous Substances or Oil

The discharge of hazardous substances or oil in the stormwater discharge(s) from a facility shall be prevented or minimized in accordance with the applicable SWPPP for the facility. This permit does not relieve the permittee of the reporting requirements of 40 CFR Part 117 and 40 CFR Part 302. Except as provided in section 3.2.2 (Multiple Anticipated Discharges) of this permit, where a release containing a hazardous substance in an amount equal to or in excess of a reporting quantity established under either 40 CFR Part 117 or 40 CFR Part 302, occurs during a 24-hour period:

- The discharger is required to notify the National Response Center (NRC) at 1-800-424-8802, the Tennessee Emergency Management Agency (TEMA) at 1-800-262-3300 or (615) 741-0001, and the appropriate division's Environmental Field Office (see list of EFOs under subpart 3.3 on page 14 of this permit), in accordance with the requirements of 40 CFR Part 117 and 40 CFR Part 302, as soon as he or she has knowledge of the discharge;
- The SWPPP required under part 4 (Stormwater Pollution Prevention Plans) of this permit must be modified within 14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the SWPPP must be reviewed by the permittee to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the SWPPP must be modified where appropriate; and
- The permittee shall submit within 14 calendar days of knowledge of the release a written description of the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and steps to be taken in accordance with this section (3.2.1 above) of this permit to the appropriate division's Environmental Field Offices (see list of EFOs under subpart 3.3 on page 14 of this permit).

3.2.2. Multiple Anticipated Discharges

Facilities that have more than one anticipated discharge per year containing the same hazardous substance in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 117 or 40 CFR Part 302, that occurs during a 24-hour period, where

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the discharge is caused by events occurring within the scope of the relevant operating system shall:

- Submit notifications in accordance with section (3.2.1 above) of this permit for the first such release that occurs during a calendar year (or for the first year of this permit, after submittal of an NOI); and
- Shall provide in the SWPPP required under part 4 (Stormwater Pollution Prevention Plans) a written description of the dates on which all such releases occurred, the type and estimate of the amount of material released, and the circumstances leading to the releases. In addition, the SWPPP must be reviewed to identify measures to prevent or minimize such releases and the SWPPP must be modified where appropriate.

3.2.3. Spills

This permit does not authorize the discharge of hazardous substances or oil resulting from an onsite spill.

3.3. List of the Division's Environmental Field Offices (EFOs) and Counties

EFO Name	EFO Address	List of Counties
Chattanooga	Division of Water Resources 1301 Riverfront Parkway, Suite #206 Chattanooga, TN 37402 (423) 634-5745	Bledsoe, Bradley, Grundy, Hamilton, McMinn, Marion, Meigs, Polk, Rhea, Sequatchie
Columbia	Division of Water Resources 1421 Hampshire Pike Columbia, TN 38401 (931) 380-3371	Bedford, Coffee, Franklin, Giles, Hickman, Lawrence, Lewis, Lincoln, Marshall, Maury, Moore, Perry, Wayne
Cookeville	Division of Water Resources 1221 South Willow Ave Cookeville, TN 38506 (931) 432-4015	Cannon, Clay, DeKalb, Fentress, Grundy, Jackson, Macon, Overton, Pickett, Putnam, Smith, Trousdale, Van Buren, Warren, White
Jackson	Division of Water Resources 1625 Hollywood Dr Jackson, TN 38305 (731) 512-1300	Benton, Carroll, Chester, Crockett, Decatur, Dyer, Gibson, Hardeman, Hardin, Haywood, Henderson, Henry, Lake, Lauderdale, McNairy, Madison, Obion, Weakly
Johnson City	Division of Water Resources 2305 Silverdale Rd Johnson City, TN 37601 (423) 854-5400	Carter, Greene, Hancock, Hawkins, Johnson, Sullivan, Unicoi, Washington Counties
Knoxville	Division of Water Resources 3711 Middlebrook Pike Knoxville, TN 37921 (865) 594-6035	Anderson, Blount, Campbell, Claiborne, Cocke, Cumberland, Grainger, Hamblen, Jefferson, Knox, Loudon, Monroe, Morgan, Roane, Scott, Sevier, Union
Memphis	Division of Water Resources 8383 Wolf Lake Drive Bartlett, TN 38133 (901) 371-3000	Fayette, Shelby, Tipton

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EFO Name	EFO Address	List of Counties
Nashville	Division of Water Resources 711 R.S. Gass Boulevard Nashville, TN 37206 (615) 681-7000	Cheatham, Davidson, Dickson, Houston, Humphreys, Montgomery, Robertson, Rutherford, Stewart, Sumner, Williamson, Wilson

All Environmental Field Offices (EFOs) may be reached by telephone at the toll-free number 1-888-891-8332 (TDEC).

3.4. Co-located Industrial Activity

In the case where a facility has industrial activities occurring onsite which are described by any of the activities in other sections of part 11 of this permit, those industrial activities are considered to be co-located industrial activities. A facility with a primary industrial activity that is required to obtain coverage under TMSP is also required to comply with requirements that apply to other activities at the facility if those additional activities would require coverage if considered on their own. There may be specific monitoring and SWPPP requirements associated with each industrial sector. Permittees must comply with all requirements related to each activity. The operator of the facility shall determine which additional pollution prevention plan and monitoring requirements are applicable to the co-located industrial activity by examining the narrative descriptions of each coverage section (Discharges Covered Under This Section) in part 11 of this permit. Provisions under this part are applicable on an outfall-specific basis.

4. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

A stormwater pollution prevention plan (SWPPP) shall be developed for each facility covered by this permit. SWPPPs shall be prepared in accordance with good engineering practices and in accordance with the factors outlined in 40 CFR 125.3(d)(2) or (3) as appropriate. The SWPPP shall identify potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges associated with industrial activity from the facility. In addition, the SWPPP shall describe and ensure the implementation of practices that are to be used to minimize the pollutants in stormwater discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. The term ‘minimize’ means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practice. Facilities must implement the provisions of the SWPPP required under this part as a condition of this permit. For additional information to assist permittees in complying with these permit conditions and in the preparation of the SWPPP, see Addendum C (List of Applicable References).

4.1. Deadlines for Plan Preparation and Compliance

4.1.1. Existing Facilities

Except as provided in sections 4.1.3, 4.1.4 and 4.1.5 (below), all facilities seeking coverage under the new TMSP who were previously covered by the expiring TMSP shall continue to implement the SWPPP developed under the expiring permit. The SWPPP shall be modified to address additional requirements in the new permit no later than 60 days following the effective date of this permit. The revisions made to the SWPPP shall be implemented within 180 days following the effective date of this permit, except where new construction is

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required, in which case the construction must be completed within 1 year following the effective date of this permit.

4.1.2. New Facilities

Except as provided in sections 4.1.3, 4.1.4 and 4.1.5 (below), all new facilities shall prepare and implement their SWPPP prior to submitting the Notice of Intent. A copy of the SWPPP shall be submitted with the Notice of Intent, preferably in electronic format (PDF).

4.1.3. Oil and Gas Operations

Oil and gas exploration, production, processing or treatment operations or transmission facilities that are not required to submit a permit application on or before May 31, 1997, in accordance with 40 CFR 122.26(c)(1)(iii), but after May 31, 1997, have a discharge of a reportable quantity of oil or a hazardous substance for which notification is required pursuant to either 40 CFR 110.6, 40 CFR 117.21 or 40 CFR 302.6, shall prepare and implement the SWPPP on or before the date 60 calendar days after first knowledge of such release.

4.1.4. Facilities Switching from Coverage Under an Individual NPDES permit to this General Permit

Facilities previously subject to an individual NPDES permit that switch to coverage under this permit shall continue to implement the SWPPP required by that permit. The SWPPP shall be revised as necessary to address requirements under part 11 of this permit no later than 180 days following the switch to this general permit. The revisions made to the SWPPP shall be implemented on or before 1 year following the date of the switch. The antibacksliding provisions, as contained in Section 402(o) of the Clean Water Act and codified in the NPDES regulations at 40 CFR §122.44 (l) - *Reissued permits*, shall apply to the facilities previously subject to an individual NPDES permit that switch to coverage under this permit.

4.1.5. Measures That Require Construction

In cases where construction is necessary, the SWPPP shall contain a schedule that provides compliance with the SWPPP as expeditiously as practicable, but no later than 2 years following the effective date of this permit. Where a construction compliance schedule is included in the SWPPP, the schedule shall include appropriate non-structural and/or temporary controls to be implemented in the affected portion(s) of the facility prior to completion of the permanent control measure.

Operators of construction sites involving clearing, grading or excavation that results in an area of disturbance of one or more acres, and activities that result in the disturbance of less than one acre if it is part of a larger common plan of development or sale must obtain coverage under the [Construction General Permit](#).

4.1.6. Extensions

Upon a showing of good cause, the division may establish a later date in writing for preparing and compliance with a SWPPP for a stormwater discharge associated with industrial activity.

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4.2. Signature and Plan Review

4.2.1. Signature/Location

The SWPPP shall be signed in accordance with subpart 7.7 (Signatory Requirements), and be retained onsite at the facility that generates the stormwater discharge in accordance with section 7.14.2 (Retention of Records) of this permit. For inactive facilities, the SWPPP may be kept at the nearest office of the permittee.

4.2.2. Availability

Except as provided in section 4.1.2 – New Facilities (above), the permittee shall make the NOC, SWPPP, annual site compliance inspection report, or other information available upon request to the division; the EPA; the U.S. Fisheries and Wildlife Service Regional Director; the Tennessee Wildlife Resources Agency; or authorized representatives of these officials. A copy of these documents shall be located at the facility.

4.2.3. Required Modifications

The director of the Division of Water Resources, or authorized representative, may notify the permittee at any time that the SWPPP does not meet one or more of the minimum requirements of this part. Such notification shall identify those provisions of the permit that are not being met by the SWPPP, and identify which provisions of the SWPPP require modification in order to meet the minimum requirements of this part. Within 60 days of such notification from the director, (or as otherwise provided by the division), or authorized representative, the permittee shall make the required changes to the SWPPP and shall submit to the division a written certification that the requested changes have been made.

4.3. Keeping Plans Current

The permittee shall amend the stormwater pollution prevention plan (SWPPP) annually or as follows:

- Whenever there is a change in design, construction, operation, or maintenance, that has a significant effect on the potential for the discharge of pollutants to the waters of the state;
- If the SWPPP proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under subpart 4.4 (Contents of the Plan) of this permit; or
- If the SWPPP proves to be ineffective in otherwise achieving the general objectives of controlling pollutants in stormwater discharges associated with industrial activity.

In addition, the permittee shall evaluate the results obtained from sampling and monitoring pursuant to the Monitoring and Reporting Requirements applicable to each sector of this permit. The evaluation should be done following the required annual sampling events to determine whether the facility is below, meets, or exceeds the monitoring benchmarks as shown in part 11 for that particular industry. If the results of annual stormwater runoff monitoring demonstrate that the facility has exceeded the benchmark(s), the permittee must inform the division's local Environmental Field Office (EFO) in writing, within 30 days from the time stormwater monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time stormwater monitoring results were received, the facility must:

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- Review its SWPPP, make any modifications or additions to the SWPPP which would assist in reducing specific effluent concentrations which are equal to less than the monitoring benchmarks for that facility, and
- Submit to the division's local EFO a brief summary of the proposed SWPPP modifications (including a timetable for implementation).

In the event of a repeated benchmark exceedance, the permittee can, in consultation with the division, make a determination that no further pollutant reduction is technologically available, economically practicable and achievable in light of best industry practices. The permittee must document the rationale for concluding that no further pollutant reductions are achievable, and retain all records related to this documentation with the SWPPP.

New owners shall review the existing SWPPP and make appropriate changes using the same timetable as described above. Amendments and modifications to the SWPPP may be reviewed by the division in the same manner as in subpart 4.2.

4.4. Contents of the Plan

The contents of the SWPPP shall comply with the requirements listed in the appropriate subpart (sector) of part 11 (Specific Requirements for Industrial Activities). These requirements are cumulative. If a facility has co-located activities that are covered in more than one subpart (sector) of part 11, that facility's SWPPP must comply with the requirements listed in all applicable subparts (sectors) of this permit.

4.5. Additional Pollution Prevention Plan Requirements

In addition to the minimum standards listed in part 11 of this permit (Specific Requirements for Industrial Activities), the SWPPP shall include a complete discussion of measures taken to conform with the following applicable guidelines, other effective stormwater pollution prevention procedures, and applicable State rules, regulations and guidelines:

4.5.1. Additional Requirements for Stormwater Discharges Associated With Industrial Activity that Discharge Into or Through Permitted Municipal Separate Storm Sewer Systems (MS4)

In addition to the applicable requirements of this permit, facilities covered by this permit must comply with applicable requirements in municipal stormwater management programs developed under NPDES permits issued for the discharge of the municipal separate storm sewer system (MS4) that receives the facility's discharge, provided the discharger has been notified of such conditions.

Permittees that discharge stormwater associated with industrial activity through a MS4, or a municipal system designated by the division, shall make SWPPPs available to the municipal operator of the system upon request.

Coverage under the TMSP does not serve to waive any required/applicable local floodplain protection permitting requirements.

Off-site vehicle tracking of significant materials and the generation of dust shall be minimized. A stabilized site access (a point of entrance/exit to a facility) shall be described and implemented, as needed, to reduce the tracking of significant materials onto public roads

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by construction vehicles. Facilities cannot use the public roadways/right-of-ways or MS4 as their primary, ongoing site exit control.

4.5.2. Additional Requirements for Stormwater Discharges Associated With Industrial Activity from Facilities Subject to Emergency Planning and Community Right to Know Act (EPCRA) Section 313 Requirements

Potential pollutant sources for which you have reporting requirements under EPCRA 313 must be identified in your risk identification and summary of potential pollutant sources determination as required under each industrial sector in this permit. Note this requirement only applies to you if you are subject to reporting requirements under EPCRA 313.

4.5.3. Additional Requirements for Salt Storage

Storage piles of salt used for deicing or other commercial or industrial purposes and that generate a stormwater discharge associated with industrial activity that is discharged to waters of the state shall be enclosed or covered to prevent exposure to precipitation, except for exposure resulting from adding or removing materials from the pile. Dischargers shall be compliant with this provision upon submittal of the NOI. Piles do not need to be enclosed or covered where stormwater from the pile is not discharged to waters of the state.

4.5.4. Consistency with Other Plans

SWPPPs may reference the existence of other plans for Spill Prevention Control and Countermeasure (SPCC) plans developed for the facility under Section 311 of the CWA or Best Management Practices (BMP) Programs otherwise required by an NPDES permit for the facility as long as such requirement is incorporated into the SWPPP.

4.5.5. Use of Pavement Sealant Products

Use of asphalt-based instead of tar-based pavement sealant products is encouraged to minimize discharge of PAHs from industrial facilities. Additionally, painting is not recommended under wet weather conditions.

4.6. **Additional Stormwater Pollution Prevention Plan (SWPPP) requirements for discharges into waters with unavailable parameters or Exceptional Tennessee waters**

If the division has notified the facility operator that the estimated pollutant load is consistent with the TMDL and that the proposed stormwater discharges meet the eligibility requirements of the TMSP and may be authorized under this permit, additional SWPPP requirements shall apply. Additional SWPPP requirements for discharges into waters with unavailable parameters for a parameter present in the facility's stormwater runoff, or discharges upstream of waters impaired by the same parameter, that may affect the waters with unavailable parameters; and for discharges to waters identified by the department as Exceptional Tennessee waters, or discharges upstream of Exceptional Tennessee waters, that may affect the Exceptional Tennessee waters, are as follows:

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The SWPPP shall be submitted to the appropriate division's Environmental Field Office (see list of EFOs under subpart 3.3 on page 14). This SWPPP may be submitted with the NOI, but must be submitted prior to commencement of new industrial activities, or a change of industrial activity that would cause an increase of pollutant loading from the site into waters with unavailable parameters or Exceptional Tennessee waters.

The permittee shall perform, at a minimum, monthly inspections.

The monthly inspection shall be conducted by the qualified personnel who shall inspect the areas of facility used for storage of significant materials that are exposed to precipitation, as well as structural and non-structural control measures at the site. Areas used for storage of significant materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system (and potentially waters of the state). Outfall points (where discharges from the site enter into the waters with unavailable parameters or Exceptional Tennessee waters) shall be inspected (including, but not limited to, visual observations) to determine whether structural and non-structural control measures are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations shall be inspected if possible.

Based on the results of the inspection, any inadequate control measures or control measures in disrepair shall be replaced or modified, or repaired as necessary, before the next rain event if possible, but in no case more than seven days after the need is identified. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable.

Based on the results of the inspection, the facility description and pollution prevention measures identified in the SWPPP shall be revised as appropriate, but in no case later than 14 calendar days following the inspection. Such modifications shall provide for timely implementation of any changes to the SWPPP in no case later than 60 calendar days following the inspection.

Inspections shall be documented and include the scope of the inspection, name(s) and title or qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the stormwater pollution prevention plan (including the location(s) of discharges of pollutants from the site and of any control device that failed to operate as designed or proved inadequate for a particular location), and actions taken to prevent further discharge of pollutants from the site.

The permittee must certify on a quarterly basis that inspections of structural and non-structural control measures and of outfall points were performed and whether or not all planned and designed pollution prevention controls measures are installed and in working order. The certification must be done by a person who meets the signatory requirements of this permit. The certification should be kept with the facility's SWPPP, shall be signed in accordance with subpart 7.7 (Signatory Requirements) of this permit and has to be submitted to the local Environmental Field Office upon request.

If the division finds that a discharge is causing a violation of water quality standards or causing or contributing to the impairment of a known water with unavailable parameters or any water, and finds that the discharger is complying with SWPPP requirements of this permit, the discharger will be notified by the director in writing that the discharge is no longer eligible for coverage under the general permit and that continued discharges must be covered

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by an individual permit. To obtain the individual permit, the operator must file an individual NPDES permit application.

5. NUMERIC EFFLUENT LIMITATIONS

5.1. Discharges Associated With Specific Industrial Activity

Numeric effluent limitations for stormwater discharges associated with a specific industrial activity are described in part 11 of this permit.

5.2. Coal Pile Runoff

Any stormwater discharge composed of coal pile runoff shall not exceed a maximum concentration for any time of 50 mg/L total suspended solids (TSS). Coal pile runoff shall not be diluted with stormwater or other flows in order to meet this limitation. The pH of such discharges shall be within the range of 6.0 to 9.0. Runoff from coal piles shall be compliant with this provision upon submittal of the NOI. Any untreated overflow from facilities designed, constructed and operated to treat the volume of coal pile runoff that is associated with a 10-year, 24-hour rainfall event shall not be subject to the 50 mg/L limitation for total suspended solids.

6. MONITORING AND REPORTING REQUIREMENTS

6.1. Monitoring Requirements

6.1.1. Limitations on Monitoring Requirements

Those facilities with discharges or activities identified in subpart 6.4 and part 11 are required to conduct sampling of their stormwater discharges associated with industrial activity. Monitoring requirements under subpart 6.4 and part 11 are additive. Facilities with discharges or activities described in more than one monitoring section are subject to all applicable monitoring requirements from each section.

The director can provide written notice to any facility otherwise exempt from the sampling requirements of subpart 6.4 and part 11 that it shall conduct discharge sampling for a specific monitoring frequency for specific parameters.

6.1.2. Additional Monitoring by the Permittee

If the permittee monitors any pollutant required to be monitored by this permit more frequently than required in subpart 6.4 and part 11, using approved analytical methods as specified herein, the results of such monitoring shall be included in the calculation and reporting of the values required in the TMSP Stormwater Monitoring Report form. Such increased frequency shall also be indicated on the form.

6.2. Reporting: Where to Submit

One signed copy of the Annual Stormwater Monitoring Report (see Addendum D) for the benchmark results or the Discharge Monitoring Report (DMR) (see Addendum E) for effluent numeric limitations results required under parts 11 and all other stormwater

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monitoring reports required herein, shall be submitted to the division at the appropriate EFO for the county where the facility is located. A list of EFOs and their addresses are available in subpart 3.3 above.

Mining and Quarrying facilities only (Sectors J and H of part 11) should submit one signed copy of Annual Stormwater Monitoring Report (see Addendum D) required under part 11, and all other reports required herein, to the division's Mining Unit at the following address:

**Tennessee Division of Water Resources
Mining Unit
3711 Middlebrook Pike
Knoxville, TN 37921**

For each outfall, one Annual Stormwater Monitoring Report (see Addendum D) form must be submitted.

6.3. Electronic Submission of Reports

The division supports and encourages submission of electronic documents (e.g., scanned reports submitted as PDF files) by using a dedicated email address:

Water.Permits@tn.gov

If the division notifies dischargers (directly by mail or E-mail, by public notice, or by making information available on the Internet) of other Annual Stormwater Monitoring Reports (see Addendum D) required under part 11, and all other stormwater monitoring reports options that become available at a later date (e.g., electronic submission of forms or letters), the permittees may take advantage of those options to satisfy the reporting requirements.

6.4. Special Monitoring Requirements for Coal Pile Runoff

During the period beginning on the effective date and lasting through the expiration date of this permit, permittees with stormwater discharges containing coal pile runoff shall monitor such stormwater for pH and TSS (mg/L) at least annually (1 time per year). Permittees with discharges containing coal pile runoff must report in accordance with subpart 5.2 (Coal Pile Runoff - Numeric Effluent Limitations) and subpart 6.2 (Reporting: Where to Submit). In addition to the parameters listed above, the permittee shall maintain a record of the date and duration (in hours) of the storm event(s) samples; rainfall measurements or estimates (in inches) of the storm event that generated the sampled runoff; the duration between the storm event samples and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and an estimate of the total volume (in gallons) of the discharge samples.

6.4.1. Sample Type

For discharges containing coal pile runoff, data shall be reported for a grab sample. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The required 72-hour storm event interval is waived where the preceding measurable storm event did not result in a measurable discharge from the facility. The required 72-hour storm event interval may also be waived where the

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permittee documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. The grab sample shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge, and the discharger shall submit with the monitoring report a description of why a grab sample during the first 30 minutes was impracticable.

6.4.2. Sampling Waiver

When a discharger is unable to collect samples of coal pile runoff due to adverse climatic conditions, the discharger shall collect a substitute sample from a separate subsequent qualifying storm event. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

6.4.3. Representative Discharge

When a facility has two or more outfalls containing coal pile runoff that, based on a consideration of the other industrial activity, and significant materials, and upon management practices and activities within the area drained by the outfall, and the permittee reasonably believes substantially identical effluents are discharged, the permittee may test the effluent of one of such outfalls and report that the quantitative data also applies to the substantially identical outfalls provided that the permittee includes in the stormwater pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area (e.g., low (under 40 percent), medium (40 to 65 percent) or high (above 65 percent)) shall be provided in the SWPPP. Permittees required to submit monitoring information under part 8 of this permit shall include the description of the location of the outfalls, explanation of why outfalls are expected to discharge substantially identical effluents, and estimate of the size of the drainage area and runoff coefficient with the Annual Stormwater Monitoring Report (see Addendum D). This representative discharge provision is not applicable to stormwater discharges from coal piles regulated under the national effluent limitations guidelines.

6.4.4. Alternative Certification

Facilities with stormwater discharges containing coal pile runoff may not submit alternative certification in lieu of the required monitoring data.

6.4.5. When to Submit

Permittees with discharges containing coal pile runoff shall submit monitoring results annually no later than the 31st day of January.

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7. STANDARD PERMIT CONDITIONS

7.1. Duty to Comply

7.1.1. Permittee's Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act (CWA) and/or the Tennessee Water Quality Control Act (TWQCA) is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

7.1.2. Penalties for Violations of Permit Conditions

Pursuant to T.C.A. 69-3-115 of The Tennessee Water Quality Control Act of 1977, as amended:

Any person who violates an effluent standard or limitation or a water quality standard established under this part (T.C.A. 69-3-101, et.seq.); violates the terms or conditions of this permit; fails to complete a filing requirement; fails to allow or perform an entry, inspection, monitoring or reporting requirement; violates a final determination or order of the board, panel or commissioner; or violates any other provision of this part or any rule or regulation promulgated by the board, is subject to a civil penalty of up to ten thousand dollars (\$10,000) per day for each day during which the act or omission continues or occurs;

Any person unlawfully polluting the waters of the state or violating or failing, neglecting, or refusing to comply with any of the provisions of this part (T.C.A. 69-3-101, et.seq.) commits a Class C misdemeanor. Each day upon which such violation occurs constitutes a separate offense;

Any person who willfully and knowingly falsifies any records, information, plans, specifications, or other data required by the board or the commissioner, or who willfully and knowingly pollutes the waters of the state, or willfully fails, neglects or refuses to comply with any of the provisions of this part (T.C.A. 69-3-101, et.seq.) commits a Class E felony and shall be punished by a fine of not more than twenty-five thousand dollars (\$25,000) or incarceration, or both.

Nothing in this permit shall be construed to relieve the discharger from civil or criminal penalties for noncompliance. Notwithstanding this permit, the discharger shall remain liable for any damages sustained by the State of Tennessee, including but not limited to fish kills and losses of aquatic life and/or wildlife, as a result of the discharge of stormwater to any surface or subsurface waters. Additionally, notwithstanding this permit, it shall be the responsibility of the discharger to conduct its stormwater treatment and/or discharge activities in a manner such that public or private nuisances or health hazards will not be created. Furthermore, nothing in this permit shall be construed to preclude the State of Tennessee from any legal action or relieve the discharger from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or the Federal Water Resources Act.

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7.2. Continuation of the Expired General Permit

An expired general permit continues in force and effect until a new general permit is issued. Permittees that choose, or are required, to obtain an individual permit must submit an application (Forms 1 and 2F and any other applicable forms) 180 days prior to expiration of this permit. Permittees that are eligible and choose to be covered by a new general permit must submit an NOI by the date specified in that permit.

7.3. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

7.4. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

7.5. Duty to Provide Information

The permittee shall furnish to the division, within a time specified by the division, any information that the division may request to determine compliance with this permit. The permittee shall also furnish to the division upon request, copies of records required to be kept by this permit.

7.6. Other Information

When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the NOI or in any other report to the division, he or she shall promptly (or within the specified time frame as identified by the division) submit such facts or information.

7.7. Signatory Requirements

All Notices of Intent (NOI), requests for termination of permit coverage, stormwater pollution prevention plans, reports, certifications or information either submitted to the division (and/or the operator of a permitted municipal separate storm sewer system), or that this permit requires be maintained by the permittee, shall be signed.

7.7.1. Signatory Requirements for a Notice of Intent

The Notice of Intent shall be signed as follows:

For a corporation. By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

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- (1) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or
- (2) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

NOTE: The division does not require specific assignments or delegations of authority to responsible corporate officers. The division will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Director to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

For a partnership or sole proprietorship. By a general partner or the proprietor, respectively; or

For a municipality, State, Federal, or other public agency. By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

7.7.2. Signatory Requirements for Reports

All reports required by the permit and other information requested by the division shall be signed as follows:

All reports required by permits, and other information requested by the Director shall be signed by a person described in section 7.7.1 (Signatory Requirements for a Notice of Intent) of this part, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described in section 7.7.1 (Signatory Requirements for a Notice of Intent) of this part;
- (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company, (A duly authorized representative may thus be either a named individual or any individual occupying a named position.) and,
- (3) The written authorization is submitted to the director.

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7.7.3. Changes to authorization

If an authorization under paragraph 7.7.2 (2) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph 7.7.2 (2) of this section must be submitted to the director prior to or together with any reports, information, or applications to be signed by an authorized representative.

7.7.4. Certification

Any person signing a document under paragraph 7.7.2 (1) or (2) of this section shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.”

7.7.5. Penalties for Falsification of Reports

Section 309c(4) of the Clean Water Act (CWA) provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than two years, or by both.

7.8. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act (CWA) or Section 106 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

7.9. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

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7.10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

7.11. Requiring an Individual Permit or an Alternative General Permit

7.11.1. Division of Water Resources Designation

The division may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the division to take action under this section. The division may require any owner or operator authorized to discharge under this permit to apply for an individual NPDES permit only if the owner or operator has been notified in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the owner or operator to file the application, and a statement that on the effective date of issuance or denial of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Individual permit applications shall be submitted to the address shown in the list of EFOs under subpart 3.3 on page 14 of this permit for the division's Environmental Field Office responsible for the county where the facility is located. The division may grant additional time to submit the application upon request of the applicant. If an owner or operator fails to submit in a timely manner an individual NPDES permit application as required by the division, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified for application submittal.

7.11.2. Individual Permit Application

Any owner or operator authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual NPDES permit. The owner or operator shall submit an [individual application](#) (Form 1 and Form 2F) with reasons supporting the request to the division. Individual permit applications shall be submitted to the address of the appropriate division's Environmental Field Office (see list of EFOs under subpart 3.3 on page 14 of this permit). The request may be granted by the issuance of any individual permit or an alternative general permit if the reasons cited by the owner or operator are adequate to support the request.

7.11.3. Individual/Alternative General Permit Issuance

When an individual NPDES permit is issued to an owner or operator otherwise subject to this permit, or the owner or operator is authorized for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to an owner or operator otherwise subject to this permit, or the owner or operator is denied for coverage under an alternative NPDES general

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permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the date of such denial, unless otherwise specified by the division.

7.12. State/Environmental Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable Tennessee law or regulation under authority preserved by Section 510 of the Act.

No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

7.13. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related equipment) that are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of SWPPPs. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

7.14. Monitoring and Records

7.14.1. Representative Samples/Measurements

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

7.14.2. Retention of Records

The permittee shall retain records of all monitoring information, copies of all reports required by this permit, and records of all data used to complete the application of this permit for a period of at least three (3) years from the date of sample, measurement, evaluation or inspection, report, or application. This period may be extended by request of the division at any time. Permittees must submit any such records to the division upon request.

The permittee shall retain the SWPPP developed in accordance with parts 4 and 11 of this permit until a date 3 years after the last modification or amendment is made to the SWPPP, and at least 1 year after coverage under this permit terminates.

7.14.3. Records Contents

Records of monitoring information shall include:

- The date, exact place, and time of sampling or measurements;
- The initials or name(s) of the individual(s) who performed the sampling or measurements;
- The date(s) analyses were performed;

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- The time(s) analyses were initiated;
- The initials or name(s) of the individual(s) who performed the analyses;
- References and written procedures, when available, for the analytical techniques or methods used; and
- The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.

7.14.4. **Approved Monitoring Methods**

Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

7.15. Inspection and Entry

The permittee shall allow the division or an authorized representative of the division, or, in the case of a facility that discharges through a municipal separate storm sewer, an authorized representative of the municipal operator or the separate storm sewer receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to: enter upon the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit; have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and inspect at reasonable times any facilities or equipment (including monitoring and control equipment).

7.16. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7.17. Bypass of Treatment Facility

7.17.1. **Notice**

Anticipated Bypass. If a permittee subject to the numeric effluent limitations of parts 5 and 11 of this permit knows in advance of the need for a bypass, he or she shall submit prior notice, if possible, at least 10 days before the date of the bypass; including an evaluation of the anticipated quality and effect of the bypass.

Unanticipated Bypass. The permittee subject to the numeric effluent limitations of parts 5 and 11 of this permit shall submit notice of an unanticipated bypass. Any information regarding the unanticipated bypass shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee became aware of the circumstances. The written submission shall contain a description of the bypass and its cause; the period of the bypass; including exact dates and times, and if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass.

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7.17.2. Prohibition of Bypass

Bypass is prohibited and the division may take enforcement action against a permittee for a bypass. Unless:

- (1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
- (2) There were no feasible alternatives to the bypass, such as the use of auxiliary facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the permittee should, in the exercise of reasonable engineering judgment, have installed adequate backup equipment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance; and
- (3) The permittee notified the division in accordance with section 7.17.1.

The division may approve an anticipated bypass after considering its adverse effects, if the division determines that it will meet the three conditions listed in paragraph 7.17.2.a) (above).

7.18. Upset Conditions

7.18.1. Affirmative Defense

An upset constitutes an affirmative defense to an action brought for noncompliance with technology-based numeric effluent limitations in parts 5 and 11 of this permit if the requirements of section 7.18.2 below are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

7.18.2. Required Defense

A permittee who wishes to establish the affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence, that:

An upset occurred and that the permittee can identify the specific cause(s) of the upset:

The permitted facility was at the time being properly operated; and

The permittee provided oral notice of the upset to the division within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee became aware of the circumstances. The written submission shall contain a description of the upset and its cause; the period of the upset; including exact dates and times, and if the upset has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the upset.

7.18.3. Burden of Proof

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

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8. REOPENER CLAUSE

8.1. Potential or Realized Impacts on Water Quality

If there is evidence indicating potential or realized impacts on water quality or on a listed endangered species due to any stormwater discharge associated with industrial activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or an alternative general permit in accordance with subpart 7.11 (Requiring an Individual Permit or an Alternative General Permit) of this permit or the permit may be modified to include different limitations and/or requirements.

8.2. Applicable Regulations

Permit modification or revocation will be conducted according to 40 CFR 122.62, 122.63, 122.64, and 124.5.

9. TERMINATION OF COVERAGE

9.1. Notice of Termination

Where all stormwater discharges associated with industrial activity that are authorized by this permit are eliminated, or where the operator of stormwater discharges associated with industrial activity at a facility changes, the operator of the facility shall submit a written request for such termination that is signed in accordance with part 7.7 (Signatory Requirements) of this permit. The written notice shall include the following information:

- Facility Information
Name, mailing address, and location of the facility for which the notification is submitted;
- Operator Information
The name, address, and telephone number of the operator addressed by the notice;
- Permit Tracking Number
The NPDES permit tracking number (i.e. TNR05XXXX) for the stormwater discharge associated with industrial activity identified by the notice;
- Reason for Termination
An indication of whether the stormwater discharges associated with industrial activity have been eliminated or the operator of the discharges has changed; and
- Certification
The following certification signed in accordance with subpart 7.7 (Signatory Requirements) of this permit:

“I certify under penalty of law that all stormwater discharges associated with industrial activity from the identified facility that are authorized by an NPDES general permit have been eliminated or that I am no longer the operator of the industrial activity. I understand that by submitting this notice of termination, that I am no longer authorized to discharge stormwater

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associated with industrial activity under this general permit, and that discharging pollutants in stormwater associated with industrial activity to waters of the state is unlawful under the Clean Water Act where the discharge is not authorized by an NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act.”

9.2. Addresses

All written notices of termination are to be sent to the division’s Environmental Field Office responsible for the county where the facility is located (see list of EFOs under subpart 3.3 on page 14 of this permit).

9.3. Electronic Submission of Notice of Termination

The division supports and encourages submission of electronic documents (e.g., scanned notices of termination submitted as PDF files) by using a dedicated email address:

Water.Permits@tn.gov

If the division notifies dischargers (directly by mail or E-mail, by public notice, or by making information available on the Internet) of other Notice of Termination options that become available at a later date (e.g., electronic submission of forms or letters), the permittees may take advantage of those options to satisfy the Notice of Termination notification requirements.

9.4. No Exposure Certification

The facility may discontinue permit coverage under the TMSP if it is eligible for the “no exposure” permit exemption. The “no exposure” permit exemption is a conditional exclusion applicable to all categories of industrial activity (except construction activity) with no exposure of industrial materials and activities to stormwater. All facilities with point source discharges of stormwater associated with industrial activity that satisfy criteria of no exposure and complete a no exposure certification form will be able to obtain exclusion from NPDES stormwater permitting under TMSP.

A condition of no exposure exists at an industrial facility when all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. A storm resistant shelter is not required for the following industrial materials and activities:

- Drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak. “Sealed ” means banded or otherwise secured and without operational taps or valves;
- Adequately maintained vehicles used in material handling; and

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- Final products, other than products that would be mobilized in stormwater discharges (e.g., rock salt).

A no exposure certification must be provided for each facility qualifying for the no exposure exclusion. In addition, the exclusion from NPDES permitting is available on a facility-wide basis only, not for individual outfalls. If any industrial activities or materials are or will be exposed to precipitation, the facility is not eligible for the no exposure exclusion.

No exposure certification renewals must be submitted five years from the time they are first submitted (assuming the facility still qualifies for the exemption). If conditions change at a facility such that renewed TMSP coverage is needed, the facility must submit an NOI requesting coverage.

Facilities that qualify for and submit a “no exposure” certification are no longer authorized by nor required to comply with this permit. Furthermore, facilities that are no longer required to have permit coverage due to a “no exposure” exclusion, are not required to submit a Notice of Termination.

A copy of no exposure certification form can be obtained by requesting a copy of the form at the address listed below, from the division’s Environmental Field Office responsible for the county where the facility is located (see list of EFOs under subpart 3.3 on page 14 of this permit), or at the department’s web page for the TMSP (<http://state.tn.us/environment/permits/strmh2o.shtml>). The division supports and encourages submission of electronic documents (e.g., scanned NOIs submitted as PDF files) by using a dedicated email address:

Water.Permits@tn.gov

Alternatively, the no exposure certification form shall be submitted to the division at the following address:

**Stormwater NOI Processing
Division of Water Resources
William R. Snodgrass - Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243**

10. DEFINITIONS AND LIST OF ACRONYMS

10.1. Definitions

Benchmarks: A guideline for facilities to measure their storm water monitoring results, so that if their sample results are above the established (benchmark values) they will know to implement BMPs and modify their SWPPP to bring the results back below the established value.

Best Management Practices ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating

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procedures, and practices to control facility site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

Coal pile runoff means the rainfall runoff from or through any coal storage pile.

Co-located industrial activity means when a facility has industrial activities being conducted onsite that are described under more than one of the coverage sections of part 11 in this permit (Discharges Covered Under This Section). Facilities with co-located industrial activities shall comply with all applicable monitoring and pollution prevention plan requirements of each section in which a co-located industrial activity is described. Provisions under applicable co-located facilities sections should be applied on an outfall-specific basis.

CWA means Clean Water Act (formerly referred to as the Federal Water Resources Act or Federal Water Resources Act Amendments of 1972).

Commercial Treatment and Disposal Facilities means facilities that receive, on a commercial basis, any produced hazardous waste (not their own) and treat or dispose of those wastes as a service to the generators. Such facilities treating and/or disposing exclusively residential hazardous wastes are not included in this definition.

Director means the Director of the Division of Water Resources, or an authorized representative.

Exceptional Tennessee Waters are surface waters of the state of Tennessee that are identified by the department as Exceptional Tennessee waters in the Tennessee Rule 0400-40-3. Characteristics of Exceptional Tennessee waters are listed at Rule 0400-40-3.06 of the official compilation - rules and regulations of the State of Tennessee. Characteristics include waters designated by the Water Quality Control Board as **Outstanding National Resource Waters** (ONRW); waters that provide habitat for ecologically significant populations of certain aquatic or semi-aquatic plants or animals; waters that provide specialized recreational opportunities; waters that possess outstanding scenic or geologic values; or waters where existing conditions are better than water quality standards. Exceptional Tennessee waters are sometimes referred to as Exceptional TN Waters or ONRW waters. A list of known Exceptional Tennessee Waters is available on the web at:

http://environment-online.state.tn.us:7654/pls/enf_reports/f?p=9034:34304

Flow-weighted composite sample means a composite sample consisting of a mixture of aliquots collected at a constant time interval, where the volume of each aliquot is proportional to the flow rate of the discharge.

Grab Sample is a single stormwater runoff sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes, collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed 1 hour) of when the runoff or snowmelt begins discharging. The sample shall be collected at the period most representative of the total discharge, recognizing that a “first flush” sample would be the most accurate representation for various pollutants in the stormwater runoff.

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Inactive Landfill is considered inactive when, on a permanent basis, it will no longer receive waste and has completed closure in accordance with any applicable Federal, State, and/or local requirements.

Land application unit means an area where wastes are applied onto or incorporated into the soil surface (excluding manure spreading operations) for treatment or disposal.

Landfill means an area of land or an excavation in which wastes are placed for permanent disposal and that is not a land application unit, surface impoundment, injection well, or waste pile.

Landfill wastewater as defined in 40 CFR Part 445 (Landfills Point Source Category) is all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated stormwater, contaminated groundwater, and wastewater from recovery pumping wells. Landfill wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated stormwater and contact wash water from washing truck, equipment, and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility. Non-contaminated stormwater runoff from landfill is stormwater which does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in 40 CFR 445.2. Non-contaminated stormwater includes stormwater which flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.

Leachate is a liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.

Large and medium municipal separate storm sewer system (MS4) means all municipal separate storm sewers that are either:

1. Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR Part 122); or
2. Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR Part 122); or
3. Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the division as part of the large or medium municipal separate storm sewer system.

Lists of Phase I (large and Median size MS4s), and Phase II (small MS4s), can be found on the division's MS4 webpage: [Tennessee MS4](http://tn.gov/environment/dataviewers.shtml) and by using the division's Dataviewer application (<http://tn.gov/environment/dataviewers.shtml>)

Load Allocation (LA): The portion of a receiving water's loading capacity that is attributed either to one of its existing or future nonpoint sources of pollution or to natural background (40 CFR 130.2(g)).

Margin of Safety (MOS): The "MOS" accounts for uncertainty in the loading calculation. The MOS may not be the same for different water bodies due to differences in the availability and strength of data used in the calculations.

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No exposure certification is a conditional exclusion applicable to all categories of industrial activity (except construction activity) with no exposure of industrial materials and activities to stormwater. All facilities with point source discharges of stormwater associated with industrial activity that satisfy criteria of no exposure and complete a no exposure certification form will be able to obtain exclusion from NPDES stormwater permitting under TMSP.

Nonpoint Source: A nonpoint source is essentially any source of pollutant(s) that is not a point source. Examples are sheet flow from pastures and runoff from paved areas.

Point source means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

Qualified personnel are those who possess the knowledge and skills to assess conditions and activities that could impact stormwater quality at your facility, and who can also evaluate the effectiveness of control measures.

Section 313 water priority chemical means a chemical or chemical categories that: 1) are listed at 40 CFR 372.65 pursuant to Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also known as Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986); 2) are present at or above threshold levels at a facility subject to EPCRA Section 313 reporting requirements; and 3) meet at least one of the following criteria: (i) are listed in Appendix D of 40 CFR Part 122 on either Table II (organic priority pollutants), Table III (certain metals, cyanides, and phenols) or Table V (certain toxic pollutants and hazardous substances); (ii) are listed as a hazardous substance pursuant to Section 311(b)(2)(A) of the CWA at 40 CFR 116.4; or (iii) are pollutants for which EPA has published acute or chronic water quality criteria. See Addendum A of this permit. This addendum is based on the final rulemaking EPA published in the Federal Register November 30, 1994.

Significant materials includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101(14) of CERCLA; any chemical the facility is required to report pursuant to EPCRA Section 313; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with stormwater discharges.

Significant spills includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (see 40 CFR 110.10 and CFR 117.21) or Section 102 of CERCLA (see 40 CFR 302.4).

Storm water means stormwater runoff, snow melt runoff, and surface runoff and drainage.

Stormwater runoff associated with industrial activity means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program. For the categories of industries identified in paragraphs (i) through (x) of this definition, the term includes, but is not limited to, stormwater discharges from industrial plant yards; immediate

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access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR Part 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to stormwater. For the categories of industries identified in paragraph (xi) of this definition, the term includes only stormwater discharges from all areas (except access roads and rail lines) listed in the previous sentence where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to stormwater. For the purposes of this paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with stormwater drained from the above described areas. Industrial facilities (including industrial facilities that are Federally, State, or municipally owned or operated that meet the description of the facilities listed in paragraphs (i) to (xi) of this definition) include those facilities designated under 122.26(a)(1)(v). The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this subsection:

1. Facilities subject to stormwater effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR Subchapter N (except facilities with toxic pollutant effluent standards that are exempted under category (xi) of this definition);
2. Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28 (except 283 and 285), 29, 311, 32 (except 323), 33, 3441, 373;
3. Facilities classified as Standard Industrial Classifications 10 through 14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations no longer meeting the definition of a reclamation area under 40 CFR 434.11(l) because the performance bond issued to the facility by the appropriate SMCRA authority has been released, or except for areas of noncoal mining operations that have been released from applicable State or Federal reclamation requirements after December 12, 1990) and oil and gas exploration, production, processing or treatment operations or transmission facilities that discharge stormwater contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operation; inactive mining operations are mining sites that are not being actively mined, but that have an identifiable owner/operator;
4. Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;
5. Landfills, land application sites, and open dumps that have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under Subtitle D of RCRA;
6. Facilities involved in the recycling of materials, including metal scrap yards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093;

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7. Steam electric power generating facilities, including coal handling sites;
8. Transportation facilities classified as Standard Industrial Classifications 40, 41, 42 (except 4221-25), 43, 44, 45 and 5171 that have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing operations, or that are otherwise identified under paragraphs (i) to (vii) or (ix) to (xi) of this subsection are associated with industrial activity;
9. Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 MGD or more, or required to have an approved pretreatment program under 40 CFR Part 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and that are not physically located in the confines of the facility, or areas that are in compliance with 40 CFR Part 503;
10. Construction activity including clearing, grading and excavation activities except: operations that result in the disturbance of less than 5 acres of total land area that are not part of a larger common plan of development or sale;
11. Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 285, 30, 31 (except 311), 323, 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-25, (and that are not otherwise included within categories (i) to (x)).

TMDL (Total Maximum Daily Load) The sum of the individual wasteload allocations for point sources and load allocations for nonpoint sources and natural background (40 CFR 130.2(I)). TMDL is a study that: 1.quantifies the amount of a pollutant in a stream, 2.identifies the sources of the pollutant, 3.and recommends regulatory or other actions that may need to be taken in order for the stream to no longer be polluted. Following are actions that might be recommended: Re-allocate limits on the sources of pollutants documented as impacting streams. It might be necessary to lower the amount of pollutants being discharged under NPDES permits or to require the installation of other control measures, if necessary, to insure that standards will be met. For sources the division does not have regulatory authority over, such as ordinary non-point source agricultural and forestry activities, provide information and technical assistance to other state and federal agencies that work directly with these groups to install appropriate Best Management Practices. Even for the impacted streams, TMDL development is not considered appropriate for all bodies of water: if enforcement has already been taken and a compliance schedule has been developed; or if best management practices have already been installed for non-regulated activities, the TMDL is considered not applicable. In cases involving pollution sources in other states, the recommendation may be that another state or EPA perform the TMDL. TMDL's can also be described by the following equation:

$$\text{TMDL} = \text{sum of non-point sources (LA)} + \text{sum of point sources (WLA)} + \text{margin of safety}$$

Uncontrolled sanitary landfill means a landfill or open dump, whether in operation or closed, that does not meet the requirements for run-on or runoff controls established pursuant to subtitle D of the Solid Waste Disposal Act.

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Upset means an exceptional incident in which there is unintentional and temporary noncompliance with the numeric effluent limitations of parts 5 and 11 of this permit because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

Wasteload allocation (WLA): The portion of a receiving water's loading capacity that is allocated to one of its existing or future point sources of pollution. WLAs constitute the type of water quality-based effluent limitation. (40 CFR 130.2(h)).

Waste pile means any noncontainerized accumulation of solid, nonflowing waste that is used for treatment or storage.

Water quality-limited segments: Those water segments that do not or are not expected to meet applicable water quality standards even after the application of technology.

Waters of the State or simply **Waters** is defined in the Tennessee Water Quality Control Act and means any and all water, public or private, on or beneath the surface of the ground, which are contained within, flow through or border upon Tennessee or any portion thereof except those bodies of water confined to and retained within the limits of private property in single ownership which do not combine to effect a junction with natural surface or underground waters.

Wet weather conveyance is defined in the Tennessee Water Quality Control Act and means, notwithstanding any other law or rule to the contrary, man-made or natural watercourses, including natural watercourses that have been modified by channelization:

(A) That flow only in direct response to precipitation runoff in their immediate locality;

(B) Whose channels are at all times above the groundwater table;

(C) That are not suitable for drinking water supplies; and

(D) In which hydrological and biological analyses indicate that, under normal weather conditions, due to naturally occurring ephemeral or low flow there is not sufficient water to support fish, or multiple populations of obligate lotic aquatic organisms whose life cycle includes an aquatic phase of at least two (2) months.

10.2. List of Acronyms

ARAP	Aquatic Resource Alteration Permit
BMP	Best Management Practice
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CGP	Construction General Permit
CWA	Clean Water Act
EFO	Environmental Field Office
EPA	(U.S.) Environmental Protection Agency
EPSC	Erosion Prevention and Sediment Control
MS4	Municipal Separate Storm Sewer System
NOC	Notice of Coverage

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NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
ONRW	Outstanding National Resource Waters
POTW	Publicly Owned Treatment Works
SIC	Standard Industrial Classification
SWPPP	Stormwater Pollution Prevention Plan
TDEC	Tennessee Department of Environment and Conservation
TDOT	Tennessee Department of Transportation
TMDL	Total Maximum Daily Load
TMSP	Tennessee Multi-Sector General Permit for the Discharge of Stormwater from an Industrial Activity
TVA	Tennessee Valley Authority
TWQCA	Tennessee Water Quality Control Act
UIC	Underground Injection Control
USGS	United States Geological Survey
WLA	Waste Load Allocation

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Sector V

Sector V - Stormwater Discharges Associated With Industrial Activity From Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities

1. Discharges Covered Under This Section

The requirements listed under this section shall apply to stormwater discharges associated with industrial activity from a facility engaged in manufacturing the following products and generally described by the SIC codes shown below:

SIC Code	Sector V: Textile Mills, Apparel and other Fabric Product Manufacturing Facilities	Sampling Required?	Table Number
2211	Broadwoven Fabric Mills, Cotton	No	--
2221	Broadwoven Fabric Mills, Manmade Fiber and Silk	No	--
2231	Broadwoven Fabric Mills, Wool (Including Dyeing and Finishing)	No	--
2241	Narrow Fabric and Other Smallware Mills: Cotton, Wool, Silk, and Manmade Fiber	No	--
2251	Women's Full-Length and Knee-Length Hosiery, Except Socks	No	--
2252	Hosiery, NEC	No	--
2253	Knit Outerwear Mills	No	--
2254	Knit Underwear and Nightwear Mills	No	--
2257	Weft Knit Fabric Mills	No	--
2258	Lace and Warp Knit Fabric Mills	No	--
2259	Knitting Mills, NEC	No	--
2261	Finishers of Broadwoven Fabrics of Cotton	No	--
2262	Finishers of Broadwoven Fabrics of Manmade Fiber and Silk	No	--
2269	Finishers of Textiles, NEC	No	--
2273	Carpets and Rugs	No	--
2281	Yarn Spinning Mills	No	--
2282	Yarn Texturizing, Throwing, Twisting, and Winding Mills	No	--
2284	Thread Mills	No	--
2295	Coated Fabrics, Not Rubberized	No	--
2296	Tire Cord and Fabrics	No	--
2297	Nonwoven Fabrics	No	--
2298	Cordage and Twine	No	--
2299	Textile Goods, NEC	No	--
2311	Men's and Boys' Suits, Coats and Overcoats	No	--
2321	Men's and Boys' Shirts, Except Work Shirts	No	--
2322	Men's and Boys' Underwear and Nightwear	No	--
2323	Men's and Boys' Neckwear	No	--
2325	Men's and Boys' Trousers and Slacks	No	--
2326	Men's and Boys' Work Clothing	No	--
2329	Men's and Boys' Clothing, NEC	No	--
2331	Women's, Misses', and Juniors' Blouses and Shirts	No	--
2335	Women's, Misses' and Junior's Dresses	No	--
2337	Women's, Misses' and Juniors' Suits, Skirts and Coats	No	--
2339	Women's, Misses' and Juniors' Outerwear, NEC	No	--
2341	Women's, Misses, Children's, and Infants' Underwear and Nightwear	No	--
2342	Brassieres, Girdles, and Allied Garments	No	--
2353	Hats, Caps, and Millinery	No	--
2361	Girls', Children's and Infants' Dresses, Blouses and Shirts	No	--
2369	Girls', Children's and Infants' Outerwear, NEC	No	--
2371	Fur Goods	No	--
2381	Dress and Work Gloves, Except Knit and All-Leather	No	--
2384	Robes and Dressing Gowns	No	--

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SIC Code	Sector V: Textile Mills, Apparel and other Fabric Product Manufacturing Facilities	Sampling Required?	Table Number
2385	Waterproof Outerwear	No	--
2386	Leather and Sheep-Lined Clothing	No	--
2387	Apparel Belts	No	--
2389	Apparel and Accessories, NEC	No	--
2391	Curtains and Draperies	No	--
2392	House furnishings, Except Curtains and Draperies	No	--
2393	Textile Bags	No	--
2394	Canvas and Related Products	No	--
2395	Pleating, Decorative and Novelty Stitching, and Tucking for the Trade	No	--
2396	Automotive Trimmings, Apparel Findings, and Related Products	No	--
2397	Schiffli Machine Embroideries	No	--
2399	Fabricated Textile Products, NEC	No	-

When an industrial facility, described by the above coverage provisions of this section, has industrial activities being conducted onsite that meet the description(s) of industrial activities in another section(s), that industrial facility shall comply with any and all applicable monitoring and pollution prevention plan requirements of the other section(s) in addition to all applicable requirements in this section. The monitoring and pollution prevention plan terms and conditions of this multi-sector permit are additive for industrial activities being conducted at the same industrial facility (co-located industrial activities). The operator of the facility shall determine which other monitoring and pollution prevention plan section(s) of this permit (if any) are applicable to the facility.

2. Special Conditions

Prohibition of Non-stormwater Discharges. Except for those allowable non-stormwater discharges included in Part 3.1.2 (Allowable Non-Stormwater Discharges) of this permit, there are no other non-stormwater discharges authorized in this Sector.

3. Stormwater Pollution Prevention Plan Requirements

3.1 Deadlines for Plan Preparation and Compliance. There are no additional deadlines for plan preparation and compliance, other than those stated in subpart **Error! Reference source not found..**

3.2 Contents of Plan. The plan shall include, at a minimum, the following items:

3.2.1 Pollution Prevention Team. Each plan shall identify a specific individual or individuals within the facility organization as members of a stormwater Pollution Prevention Team who are responsible for developing the stormwater pollution prevention plan and assisting the facility or plant manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's stormwater pollution prevention plan.

3.2.2 Description of Potential Pollutant Sources. Each plan shall provide a description of potential sources which may reasonably be expected to add significant amounts of pollutants to stormwater discharges or which may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. Each plan shall identify all activities and

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significant materials which may potentially be significant pollutant sources. Each plan shall include, at a minimum:

- 3.2.2.1 **Drainage.** A site map indicating an outline of the portions of the drainage area of each stormwater outfall that are within the facility boundaries, each existing structural control measure to reduce pollutants in stormwater runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under Part 11.V.3.2.2.3 (Spills and Leaks) of this permit have occurred, and the locations of the following activities where such activities are exposed to precipitation: loading/unloading areas, locations used for the treatment, storage or disposal of wastes, liquid storage tanks or silos, bulk storage areas that may exist, processing areas and storage areas, fueling stations, vehicle and equipment maintenance and/or cleaning areas. The map must indicate the outfall locations and the types of discharges contained in the drainage areas of the outfalls.

For each area of the facility that generates stormwater discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, the plan should include a prediction of the direction of flow, and an identification of the types of pollutants which are likely to be present in stormwater discharges associated with industrial activity. Factors to consider include the toxicity of chemical; quantity of chemicals used, produced or discharged; the likelihood of contact with stormwater; and history of significant leaks or spills of toxic or hazardous pollutants. Flows with a significant potential for causing erosion shall be identified.

- 3.2.2.2 **Inventory of Exposed Materials -** An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to stormwater between the time of 3 years prior to the date of the submission of an NOI to be covered under this permit and the present; method and location of onsite storage or disposal; materials management practices employed to minimize contact of materials with stormwater runoff between the time of 3 years prior to the date of the submission of an NOI to be covered under this permit and the present; the location and a description of existing structural and nonstructural control measures to reduce pollutants in stormwater runoff; and a description of any treatment the stormwater receives.
- 3.2.2.3 **Spills and Leaks -** A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a stormwater conveyance at the facility after the date of 3 years prior to the date of the submission of an NOI to be covered under this permit. Such list shall be updated as appropriate during the term of the permit.
- 3.2.2.4 **Sampling Data -** A summary of existing discharge sampling data describing pollutants in stormwater discharges from the facility, including a summary of sampling data collected during the term of this permit.
- 3.2.2.5 **Risk Identification and Summary of Potential Pollutant Sources -** A narrative description of the potential pollutant sources from the following activities: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities;

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significant dust or particulate generating processes; onsite waste disposal practices; industry-specific significant materials and industrial activities (e.g., backwinding, beaming, bleaching, backing, bonding carbonizing, carding, cut and sew operations, desizing, drawing, dyeing flocking, fulling, knitting, mercerizing, opening, packing, plying, scouring, slashing, spinning, synthetic-felt processing, textile waste processing, tufting, turning, weaving, web forming, winging, yarn spinning, and yarn texturing). The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g., biochemical oxygen demand, etc.) of concern shall be identified.

3.2.3 Measures and Controls. Each facility covered by this permit shall develop a description of stormwater management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of stormwater management controls shall address the following minimum components, including a schedule for implementing such controls:

3.2.3.1 Good Housekeeping - Good housekeeping requires the maintenance of areas which may contribute pollutants to stormwater discharges in a clean, orderly manner. The following areas must be specifically addressed, when applicable at the facility:

3.2.3.1.1 Material Storage Areas - All stored and containerized materials (fuels, petroleum products, solvents, dyes, etc.) must be stored in a protected area, away from drains and clearly labeled. The plan must describe measures that prevent or minimize contamination of stormwater runoff from such storage areas. The facility should specify which materials are stored indoors and must provide a description of the containment area or enclosure for those materials which are stored outdoors. Above ground storage tanks, drums, and barrels permanently stored outside must be delineated on the site map with a description of the appropriated containment measures in place to prevent leaks and spills. The facility may consider an inventory control plan to prevent excessive purchasing, storage, and handling of potentially hazardous substances. In the case of storage of empty chemical drums and containers, facilities should employ practices which ensure that barrels are clean and residuals are not subject to contact with stormwater, such practices may include triple-rinsing containers. The discharge waters from such washings must be collected and disposed of properly.

3.2.3.1.2 Material Handling Area - The plan must describe measures that prevent or minimize contamination of the stormwater runoff from materials handling operations and areas. The facility may consider the use of spill and overflow protection; covering fueling areas; covering and enclosing areas where the transfer of materials may occur. Where applicable, the plan must address the replacement or repair of leaking connections, valves, transfer lines and pipes that may carry chemicals, dyes, or wastewater.

3.2.3.1.3 Fueling Areas - The plan must describe measures that prevent or minimize contamination of the stormwater runoff from fueling areas. The facility may consider covering the fueling area, using spill and overflow protection, minimizing run-on of stormwater to the fueling area, using dry cleanup methods, and/or collecting the stormwater runoff and providing treatment or recycling.

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- 3.2.3.1.4 Above Ground Storage Tank Areas - The plan must describe measures that prevent or minimize contamination of the stormwater runoff from above ground storage tank areas. The facility must consider storage tanks and their associated piping and valves. The facility may consider regular cleanup of these areas, preparation of a spill prevention control and countermeasure program, provide spill and overflow protection, minimizing run-on of stormwater from adjacent areas, restrict access to the area, insertion of filters in adjacent catch basins, provide absorbent booms in unbermed fueling areas, use of dry cleanup methods, and permanently sealing drains within critical areas that may discharge to a storm drain.
- 3.2.3.2 Preventive Maintenance - A preventive maintenance program shall involve timely inspection and maintenance of stormwater management devices (e.g., cleaning oil/water separators, sediment traps, catch basins, infiltration devices, ponds) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems.
- 3.2.3.3 Spill Prevention and Response Procedures - Areas where potential spills which can contribute pollutants to stormwater discharges can occur, and their accompanying drainage points shall be identified clearly in the stormwater pollution prevention plan. The plan should be considered where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a clean-up should be available to personnel.
- 3.2.3.4 Inspections - Qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the SWPPP. Inspection intervals are to occur on a monthly basis. Inspections of this nature shall include, but not be limited to, the following areas: all containment and storage areas, transfer and transmission lines, spill prevention, good housekeeping practices, management of process waste products, all structural and nonstructural management practices. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained as part of the SWPPP. The use of a checklist developed by the facility is encouraged.

Note that additional Stormwater Pollution Prevention Plan (SWPPP) requirements for discharges into waters with unavailable parameters or Exceptional Tennessee waters, as described in the subpart 4.6 of this permit may be applicable to your facility.

- 3.2.3.5 Employee Training - Employee training programs shall inform personnel responsible for implementing activities identified in the stormwater pollution prevention plan or otherwise responsible for stormwater management at all levels of responsibility of the components and goals of the stormwater pollution prevention plan. Training should address topics such as spill response, good housekeeping and material management practices. The pollution prevention plan shall identify dates for such training to take place at least annually (once per calendar year). Employee training must, at a minimum address the following areas when applicable to a facility: use of reused/recycled waters; solvents management; proper disposal of dyes; proper disposal of petroleum products and spent lubricants; spill prevention and

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control; fueling procedures; and general good housekeeping practices. Employees, independent contractors, and customers must be informed about BMPs and be required to perform in accordance with these practices. Copies of BMPs and any specific management plans, including emergency phone numbers, shall be posted in the work areas.

- 3.2.3.6 Recordkeeping and Internal Reporting Procedures - A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of stormwater discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.
- 3.2.3.7 Non-stormwater Discharges
- 3.2.3.7.1 The plan shall include a certification that the discharge has been tested or evaluated for the presence of non-stormwater discharges. The certification shall include the identification of potential significant sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the onsite drainage points that were directly observed during the test. Certifications shall be signed in accordance with subpart 7.7 of this permit. Such certification may not be feasible if the facility operating the stormwater discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit which receives the discharge. In such cases, the source identification section of the stormwater pollution prevention plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-stormwater at the site. A discharger that is unable to provide the certification required by this paragraph must notify the Division of Water Resources in accordance with paragraph "Failure to Certify" (below).
- 3.2.3.7.2 Sources of non-stormwater that are combined with stormwater discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge. Any non-stormwater discharges that are not authorized under this permit or another NPDES permit should be brought to the attention of the division's local Environmental Field Office (see list of EFOs on page 14).
- 3.2.3.7.3 Failure to Certify - Any facility that is unable to provide the certification required (testing for non-stormwater discharges), must notify the Division of Water Resources by not later than 180 days after submitting an NOI to be covered by this permit. If the failure to certify is caused by the inability to perform adequate tests or evaluations, such notification shall describe: the procedure of any test conducted for the presence of non-stormwater discharges; the results of such test or other relevant observations; potential sources of non-stormwater discharges to the storm sewer; and why adequate tests for such storm sewers were not feasible. Non-stormwater discharges to waters of the state which are not authorized by an NPDES permit are unlawful, and must be terminated.
- 3.2.3.7.4 Sediment and Erosion Control - The plan shall identify areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion.

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- 3.2.3.7.5 Management of Runoff - The plan shall contain a narrative consideration of the appropriateness of traditional stormwater management practices (practices other than those which control the generation or source(s) of pollutants) used to divert, infiltrate, reuse, or otherwise manage stormwater runoff in a manner that reduces pollutants in stormwater discharges from the site. The plan shall provide that measures that the permittee determines to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to stormwater discharges associated with industrial activity [see paragraph 11.V.3.2.2 of this section (Description of Potential Pollutant Sources)] shall be considered when determining reasonable and appropriate measures. Appropriate measures or other equivalent measures may include: vegetative swales and practices, reuse of collected stormwater (such as for a process or as an irrigation source), inlet controls (such as oil/water separators), snow management activities, infiltration devices, and wet detention/retention devices.
- 3.2.4 Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the SWPPP, but in no case less than once a year. Such evaluations shall provide:
- 3.2.4.1 Areas contributing to a stormwater discharge associated with industrial activity (storage tank areas, waste disposal and storage areas, dumpsters and open containers stored outside, materials storage areas, engine maintenance and repair areas, material handling areas, and loading dock areas) shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system (and potentially waters of the state). Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
- 3.2.4.2 Based on the results of the evaluation, the description of potential pollutant sources identified in the plan in accordance with paragraph 11.V.3.2.2 of this section (Description of Potential Pollutant Sources) and pollution prevention measures and controls identified in the plan in accordance with paragraph 11.V.3.2.3 of this section (Measures and Controls) shall be revised as appropriate within 2 weeks of such evaluation and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than 12 weeks after the evaluation.
- 3.2.4.3 A report summarizing the scope of the evaluation, personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the stormwater pollution prevention plan, and actions taken in accordance with the permit shall be made and retained as part of the stormwater pollution prevention plan for at least 3 years from the date of the evaluation. The report shall identify any incidents of noncompliance. Where a report does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the stormwater pollution prevention plan and this permit. The report shall be signed in accordance with subpart 7.7 (Signatory Requirements) of this permit.

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- 3.2.4.4 Where compliance evaluation schedules overlap with inspections required under 11.V.3.2.2.3, the compliance evaluation may be conducted in place of one such inspection.

4. Numeric Effluent Limitations

There are no additional numeric effluent limitations beyond those described in subpart 5.2 (Coal Pile Runoff) of the TMSP.

5. Monitoring and Reporting Requirements

Permittees subject to Numeric Effluent Limitations described in subpart 5.2 above (Coal Pile Runoff) must submit to the division monitoring results annually on a signed copy of the Discharge Monitoring Report (DMR, see Addendum E).

Quarterly Visual Examination of Stormwater Quality. Facilities shall perform and document a visual examination of a stormwater discharge associated with industrial activity from each outfall, except discharges exempted below. The examination must be made at least once in each designated period [described in paragraph (1) below] during daylight hours unless there is insufficient rainfall or snow melt to produce a runoff event.

- 5.1 Examinations shall be conducted in each of the following periods for the purposes of visually inspecting stormwater quality associated with stormwater runoff or snowmelt: January through March; April through June; July through September; and October through December.
- 5.2 Examinations shall be made of samples collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed 1 hour) of when the runoff or snowmelt begins discharging. The examinations shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution. The examination must be conducted in a well-lit area. No analytical tests are required to be performed on the samples. All such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Where practicable, the same individual should carry out the collection and examination of discharges for the entire permit term.
- 5.3 Visual examination reports must be maintained onsite in the pollution prevention plan or with other compliance records. The report shall include the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the stormwater discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution), and probable sources of any observed stormwater contamination.
- 5.4 When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may collect a sample of effluent of one of such outfalls and report that the examination data also applies to the substantially identical outfall(s) provided that the

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- permittee includes in the stormwater pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for Each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area [e.g., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)] shall be provided in the plan.
- 5.5 When a discharger is unable to collect samples over the course of the visual examination period as a result of adverse climatic conditions, the discharger must document the reason for not performing the visual examination and retain this documentation onsite with the records of the visual examinations. Adverse weather conditions which may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).
- 5.6 When a discharger is unable to conduct visual stormwater examinations at an inactive and unstaffed site, the operator of the facility may exercise a waiver of the monitoring requirement as long as the facility remains inactive and unstaffed. The facility must maintain a certification with the pollution prevention plan stating that the site is inactive and unstaffed so that performing visual examinations during a qualifying event is not feasible

Appendix C

Storm Water Pollution Prevention Team (SWPPT)

3M Clinton TN Storm water Pollution Prevention Team

SWPPP Team Contact	Responsibilities
Andy Heckl– SWPPT Leader SPCC Primary Spill Coordinator Plant Engineering and EHS Manager 865-481-5112 Office 949-307-3426 Cell/After Hours	Oversees implementation of the SWPPP, BMPs, and facility inspections.
Jason Leslie– SWPPT Member SPCC Alternate Spill Coordinator Plant Manager 865-481-5103 Office 949-632-2044 Cell/After Hours	Directs the implementation of the SWPPP, BMPs, good housekeeping, inspections, and recordkeeping.
Carie Mathison– Corporate Senior Environmental Scientist 651-737-3604 Office	Oversees environmental program implementation and resource planning.
Additional SWPPT Members	
Steve Miller– SWPPT Member Buildings and Grounds Supervisor 865-481-5105 Office	Oversees implementation of the SWPPP, BMPs, and facility inspections.
Name: _____ Title: _____ Phone Number: _____	Duties: _____ _____ _____
Name: _____ Title: _____ Phone Number: _____	Duties: _____ _____ _____
Name: _____ Title: _____ Phone Number: _____	Duties: _____ _____ _____

Appendix D

Non-Storm Water Discharge Evaluation and Certification

Non-stormwater Discharge Evaluation

[Tennessee Storm Water Multi-Sector General Permit for Industrial Activities Permit No. TNR050000 Sector V 3.2.3.7 Non-stormwater Discharges]

Inspection Date: 11/4/2015

Inspection performed by (name) Andy Heckl / Carie Mathison

Testing Method Used: Visual Examination

Drainage Points	Results
Outfall 001	No sheen or evidence of pollutants upon examination
Outfall 002	No sheen or evidence of pollutants upon examination
Outfall 003	No sheen or evidence of pollutants upon examination
Outfall 004	No sheen or evidence of pollutants upon examination
Outfall 005	No sheen or evidence of pollutants upon examination
Eastern Pond	Dry - No sheen or evidence of pollutants upon examination
Fire hydrant flushing	Flushing & flow testing was completed in Oct-15. No sheen or evidence of pollutants upon examination
Potable water including water line flushing	Flushing has not been conducted at time of evaluation, evaluation will be updated upon examination
Uncontaminated condensate from air conditioners, cooler, or other compressors	Condensate observed to be free of sheen and pollutants
Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions	Landscape watering not conducted, all pesticide applications are completed by certified contractor in accordance with manufacturer instructions
Washing of sidewalks, buildings, etc. to which no detergents have been added; wash water should also be free of any other pollutants such as sediment, debris, etc.	Washing has not occurred but certification will be updated upon first discharge, no detergents will be used
Uncontaminated ground water or spring water	NA, No ground water or spring water is discharged at the site
Foundation and Footing Drains	NA, No ground water or spring water is discharged at the site
Incidental windblown mist from cooling towers	Mist is incidental and does not contain pollutants, examination showed no signs of sheen
Discharges from wet deck storage areas, which are authorized only if no chemical additives are used in the spray water or applied to the logs	NA, these areas and operations are not present at the site

I certify that the discharges have been evaluated for the presences of non-stormwater discharges of the potential significant sources of non-stormwater at the site. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

[Tennessee Storm Water Multi-Sector General Permit for Industrial Activities Permit No. TNR050000 Signatory Requirements subpart 7.7].

Signature: _____

Plant Manager

Date: _____

12/03/15

Records of inspections shall be maintained as part of the SWPPP.
Records must be kept for 3 years

File in the SWPPP notebook in the Site Environmental Engineers office

Non-stormwater Discharge Evaluation

[Tennessee Storm Water Multi-Sector General Permit for Industrial Activities Permit No. TNR050000 Sector V 3.2.3.7 Non-stormwater Discharges]

Inspection Date _____

Inspection performed by (name) _____ / _____

Testing Method Used: Visual Examination

Drainage Points	Results
Outfall 001	
Outfall 002	
Outfall 003	
Outfall 004	
Outfall 005	
Eastern Pond	
Fire hydrant flushing	
Potable water including water line flushing	
Uncontaminated condensate from air conditioners, cooler, or other compressors	
Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions	
Washing of sidewalks, buildings, etc. to which no detergents have been added; wash water should also be free of any other pollutants such as sediment, debris, etc.	
Uncontaminated ground water or spring water	
Foundation and Footing Drains	
Incidental windblown mist from cooling towers	
Discharges from wet deck storage areas, which are authorized only if no chemical additives are used in the spray water or applied to the logs	

I certify that the discharges have been evaluated for the presences of non-stormwater discharges of the potential significant sources of non-stormwater at the site. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

[Tennessee Storm Water Multi-Sector General Permit for Industrial Activities Permit No. TNR050000 Signatory Requirements subpart 7.7].

Signature: _____ Date: _____
Plant Manager

Records of inspections shall be maintained as part of the SWPPP.
Records must be kept for 3 years

File in the SWPPP notebook in the Site Environmental Engineers office
List shared facility drive where these forms are kept

Appendix E

Best Management Practices

STORM WATER POLLUTION PREVENTION PLAN BEST MANAGEMENT PRACTICES (BMPs) IMPLEMENTATION WORKSHEET		Completed By: Wenck Associates, Inc. Title: 3M Clinton, TN		
Area/Activity	Best Management Practice	Storm Water Control Category	Potential Pollutant	Inspection Schedule
General Housekeeping				
Facility-wide	1. Keep work areas clean and free of debris. 2. Use spill pans where potential leaks are present. 3. Clean up any leak or minor spill immediately. 4. Contain chemical storage areas. 5. Empty chemical transfer containers into collection containers as soon as the work activity has been completed. 6. Wipe the tops of collection containers frequently. 7. Collect oily rags to avoid leaving around the facility. 8. Materials are only purchased in quantities so as to avoid excessive purchasing, storage, and handling of potentially hazardous substances. 9. Triple-rinse containers to ensure they are clean and residuals are not subject to contact with storm water. The discharge waters from such washings must be collected and disposed of properly. 10. Refuse and waste storage areas should be under cover either by inside storage, shed, overhang, tarps, or at the least drums must have covers installed. 11. Used oil storage areas will be kept free of trash and spills.	Inspection Housekeeping Sector V.3.2.3.1.1	<ul style="list-style-type: none"> • Battery acid • Diesel • Cleaning products • Detergents • Engine oil • Grease • Hydraulic oil • Miscellaneous chemicals • Mineral oil • New oil • Plastics • Used oil 	Daily walk around Monthly Inspection
Source Reduction/Elimination				
Facility-wide	1. Store chemical storage containers inside or under cover. 2. Perform all maintenance activities and any other activity that may release potential pollutants indoors or under cover. 3. If the activity must be performed outdoors, use spill pans and clean up any spill or leak that occurs thoroughly and immediately. 4. Store all equipment indoors or under cover as possible, and only equipment in proper working condition that is free of any leaks should be stored outdoors.	Inspection Elimination and Reducing Exposure	<ul style="list-style-type: none"> • Battery acid • Diesel • Cleaning products • Detergents • Engine oil • Grease • Hydraulic oil • Miscellaneous chemicals • Mineral oil • New oil • Plastics • Used oil 	Daily walk around Monthly Inspection

STORM WATER POLLUTION PREVENTION PLAN BEST MANAGEMENT PRACTICES (BMPs) IMPLEMENTATION WORKSHEET		Completed By: Wenck Associates, Inc. Title: 3M Clinton, TN		
Area/Activity	Best Management Practice	Storm water Control Category	Potential Pollutant	Inspection Schedule
Storage Tanks				
Tanks, Drums	1. Inspect tanks and associated piping and complete any corrective action necessary to respond to spills / releases and to maintain container integrity. 2. Maintain secondary containment to prevent the release of substance. 3. Check levels frequently to prevent overfilling. 4. Control spills immediately with absorbent and do not wash into the storm drains. 5. Maintain storage in accordance with SPCC plan. 6. Store hazardous waste in approved containers with closed lids at all times. 7. Protect containers from the elements (rain, wind, heat, humidity) and cool or ventilate if appropriate. 8. Post proper signage near hazardous waste storage areas (such as: "No Smoking", "Fire Hazard", and "Hazardous Waste"). 9. Separate waste containers by a berm, dike, or wall to prevent reactions among waste. 10. Provide chemical storage areas with adequate aisle space and spill response materials nearby. 11. Do not dispose of chemicals (hazardous waste) in dumpsters or trash cans. 12. Do not mix dissimilar waste streams (such as organic solvents and aqueous solutions) in one container. If non-compatible wastes are mixed, they could cause dangerous chemical reactions. Also, mixed waste cannot be economically recycled. 13. Do not mix non-hazardous waste with hazardous waste. If mixed, the whole batch becomes hazardous and the cost of disposal increases. 14. Stored and containerized materials (fuels, petroleum products) are stored in a protected area, away from drains and clearly labeled; 15. Use spill and overflow protection for tanks such as visual gauges, manual reading, and automatic shutoffs; 16. Cleanup areas regularly; 17. Follow SPCC Plan; 18. Secure controls and building doors to limit access; 19. Maintain spill supplies in transfer areas; and 20. Inspect connections, valves, transfer lines and pipes that may carry chemicals or petroleum to identify leaks.	Inspection Housekeeping Elimination and Reducing Exposure Sector V.3.2.3.1.1 Sector V.3.2.3.1	<ul style="list-style-type: none"> • Diesel • Hydraulic oil • Grease • Engine oil • Mineral oil • Plastics • Used oil 	Monthly Inspection Tank and Containment Areas

STORM WATER POLLUTION PREVENTION PLAN BEST MANAGEMENT PRACTICES (BMPs) IMPLEMENTATION WORKSHEET		Completed By: Wenck Associates, Inc. Title: 3M Clinton, TN		
Area/Activity	Best Management Practice	Storm water Control Category	Potential Pollutant	Inspection Schedule
Loading / Unloading Areas				
Tanks and Drum Transfer Area	<p>1. During the delivery of petroleum products to the AST and Drum storage areas, appropriate dispensing procedures must be followed to prevent leakage or spills.</p> <p>2. Any leakage and spills are to be reported to the Spill Response Manager and appropriate procedures as outlined in SPCC should be followed.</p> <p>Follow Transfer Procedures.</p> <p>1. Attend each transfer.</p> <p>2. Inspect the tanker prior to transfer to ensure the tanker is free of leaks or residuals..</p> <p>3. Inspect connections and check level of the tanker frequently to prevent overfilling.</p> <p>4. Use spill buckets at connection points.</p> <p>5. Clean up any spilled/released material to the ground surface.</p>	Housekeeping Elimination and Reducing Exposure Sector V.3.2.3.5 Sector V.3.2.3.1.3	<ul style="list-style-type: none"> • Diesel • Hydraulic oil • Grease • Engine oil • Mineral oil • Plastics • Used oil 	Each Truck Transfer Monthly Inspection
Maintenance				
Equipment	<p>1. Store equipment awaiting maintenance inside.</p> <p>2. Use drip pans to capture leaks or drips from equipment and vehicles.</p> <p>3. Perform maintenance inside when possible.</p> <p>4. Clean parts using non-caustic detergents, detergent or water based cleaning systems in the place of organic solvent degreasers, non chlorinated solvents (such as mineral spirits), and recyclable cleaning agents when possible.</p> <p>5. Clean spills, equipment, and parts with rags, a wire brush, or bake oven to conserve water and avoid washing contaminants into surface water or groundwater when possible.</p> <p>5. In the event of a spill or leak, place spill materials in the area to absorb the spill.</p> <p>6. Place material in closed drums for offsite disposal.</p> <p>7. Drain all oil filters completely before disposing of them and crush them for recycling.</p> <p>8. Store all cracked or dropped batteries in secondary containment until it is certain they are not leaking. If a battery acid spill occurs, use baking soda to neutralize the acid and dispose of properly.</p> <p>9. Do not pour liquid wastes down the drain. Make sure proper signage is present near sinks and storm drains to inform employees.</p> <p>10. Consider recycling degreasers, used oil and oil filters, cleaning solution, batteries, and hydraulic fluid. Also, consider purchasing recycled products.</p>	Inspection Preventative Maintenance Housekeeping Elimination and Reducing Exposure Sector V.3.2.3.2	<ul style="list-style-type: none"> • Antifreeze • Grease • Hydraulic oil • New oil • Off-spec jet-A • Automatic transmission fluid • Used oil 	Monthly

STORM WATER POLLUTION PREVENTION PLAN BEST MANAGEMENT PRACTICES (BMPs) IMPLEMENTATION WORKSHEET		Completed By: Wenck Associates, Inc. Title: 3M Clinton, TN		
Area/Activity	Best Management Practice	Storm water Control Category	Potential Pollutant	Inspection Schedule
Air Conditioner/ Compressor Condensate				
Air Conditioner/ Compressor Condensate	1. Inspect roof areas periodically for evidence of contact with compressor oil. 2. Inspect and clean roof drain down spots of residuals.	Inspection Preventative Maintenance Housekeeping Elimination and Reducing Exposure	• Used oil	Monthly
Solid Waste				
Solid Waste Handling and	1. Use trained, licensed contractor services. 2. Use covered bait boxes – no exposure. 3. Perform a waste reduction assessment and implement a program to reduce waste by following waste reduction BMPs. 4. Check waste management areas often for spills and leaks. 5. Change out rusty, corroded, damaged containers and be sure to keep dumpster lids closed when not in use. 6. Prevent storm water runoff from crossing the waste management area. 7. Reduce contact with rain by covering the area with a permanent roof and covering waste piles with temporary covering materials (tarpaulin, polyurethane, etc.). 8. Position berms, roof downspouts, and valley gutters to direct storm water away from the waste management area. 9. Place spill prevention equipment (such as baffles, sealed gates, spill guards, and tarps) on all vehicles used to transport wastes. 10. Use vacuum transfer systems to minimize waste loss during loading or unloading. 11. Prevent sediments and wastes from being tracked offsite.	Inspection Preventative Maintenance Housekeeping Elimination and Reducing Exposure	• Miscellaneous Chemicals • Solid Waste	Monthly
Training				
	1. Regulatory Background 2. Identification of Exposed Industrial Materials and Potential Pollutants 3. Best Management Practices Evaluation 4. Completing Inspections 5. Benchmark Monitoring Procedures 6. Employees, independent contractors, and customers must be informed about BMPs and be required to perform in accordance with these practices	Training Sector V.3.2.3.5		Annually

Appendix F

Spill Reporting Form



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF UNDERGROUND STORAGE TANKS**

**William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 12th Floor
Nashville, Tennessee 37243**

HAZARD NOTIFICATION REPORT

In accordance with rule 0400-1-18-01-.06(4), this form shall be printed, completed and submitted to the Division of Underground Storage Tanks within seventy-two (72) hours upon the discovery of impacted drinking water, petroleum vapors, free product, and/or other hazards. This form must be submitted by facsimile machine and the original form sent by mail to the appropriate environmental field office.

Date of Notification:

Facility Information

Facility ID #:

Facility Telephone #

Facility Name:

Facility Address:

State & Zip Code:

Owner Information

Owner ID #:

Owner Telephone #

Owner Name:

Owner Address:

State & Zip Code:

Corrective Action Contractor (CAC) Information

CAC ID #:

CAC Telephone #

CAC Name:

CAC Address:

State & Zip Code:

Hazard Information

Hazard Address:

Hazard Location (check all that apply)

Residence:

☐

Sanitary Sewer:

☐

Surface Water:

☐

Commercial Bldg:

☐

Storm Sewer:

☐

Observ./Mon. Well:

☐

Other (describe):

Type of Hazard (check all that apply)

Impacted Drinking Water:

☐

Free Product:

☐

Petroleum Vapors:

☐

Other (describe):

Describe Abatement Measures Taken to Date

Signature Page

A signature page, as shown below shall be attached to the Hazard Notification Report Form. The page shall be signed by the owner/operator (or authorized representative within the organization) and, if applicable, a registered professional geologist under the Tennessee Geologist Act (*T.C.A. §62-36-101 et seq.*), or a registered professional engineer under the Tennessee Architects, Engineers, Landscape Architects, and Interior Designers Law and Rules (*T.C.A. §62-2-101 et seq.*).

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Owner/Operator (Print name)

Signature Date

Title (Print)

P.E. or P.G. (Print name)

Signature Date

Tennessee Registration #

Note: Each of the above signatures shall be notarized separately with the following statement.

STATE OF _____

COUNTY OF _____

Sworn to and subscribed before me by _____ on this date

My commission expires _____

Notary Public (Print name)

Signature Date

Stamp/Seal

Appendix G

Inspection Forms

Routine Monthly Storm Water Inspection

Inspection Date_____

Raining (circle one) YES NO Rain Event Amount_____inches

Inspection performed by (name)_____/_____
Print Sign

Basin inspected including pond and outfall	Time of Day	Visual Inspection	Pond and Outfall Inspection	Any abnormalities noted, Corrective action required Y/N*
001		Visual assessment for pellets on the road/ground. Oil sheen, or evidence of chemical spills	Visual for contamination in bottom of pond, signs of erosion, outfall integrity, valve operability	
002		Visual assessment for pellets on the road/ground. Oil sheen, or evidence of chemical spills	Visual for contamination in bottom of pond, signs of erosion, outfall integrity, valve operability	
003		Visual assessment for pellets on the road/ground. Oil sheen, or evidence of chemical spills	Visual for contamination in bottom of pond, signs of erosion, outfall integrity, valve operability	
Control Structures (culverts, drains, etc.)		Visual assessment for pellets on the road/ground. Oil sheen, or evidence of chemical spills	Visual for contamination in bottom of pond, signs of erosion, outfall integrity, valve operability	
Outdoor storage areas (silos, transformers, generators, compressors, etc.)		Visual assessment for container condition, control devices, staining, drips, leaks, oil sheen, or evidence of chemical spills	Visual for contamination in bottom of pond, signs of erosion, outfall integrity, valve operability	
Housekeeping		Site swept/cleaned, leaks addressed, maintenance procedures in place, BMPs and contacts posted	Visual for contamination in bottom of pond, signs of erosion, outfall integrity, valve operability	
Solid Waste Containers		Proper cover, leaks, drips, staining	Visual for contamination in bottom of pond, signs of erosion, outfall integrity, valve operability	

*If abnormalities are observed, corrective action should be noted. Corrective action must be documented upon completion and records maintained with the SWPPP.

Visual Monitoring Guidelines

This guidance has been developed for 3M facilities with a stormwater permit that may requires visual monitoring assessment.

The visual assessment indicates whether the control measures and/or Best Management Practices (BMP's) used at the facility to minimize and/or prevent potential pollutants from entering the stormwater are adequate or are being properly operated and maintained.

Personal safety is the most important among sampling program considerations. Second, staff conducting the sampling should be familiar with the facility's SWPPP, control measures, BMPs and monitoring locations (outfall).

A facility stormwater pollution prevention team member with a good understanding of the stormwater program should collect a stormwater sample from each outfall (or a representative outfall if applies) and conduct a visual assessment of each of these samples. These samples should be collected in such a manner that the samples are representative of the stormwater discharge. Each state general permit describes its specific monitoring program and sampling timeframe. Please refer to your permit for these specifics.

When to Sample

Your permit will describe the timeframe for collecting samples. In many cases, sampling should occur within 30 minutes of a qualifying rain and/or runoff event and at least 72 hours from the previous qualifying rain and/or runoff event.

You can monitor possible storm events through the National Weather Service Web site at www.weather.gov. Instructions on how to use this web site for weather forecasting are:

- On the national map, click on your state
- Use the "Zoom Out" arrows to change the map view to your region
- Click on your facility's approximate location
- The 7 day weather forecast for your location will be on the left side of the next page
- Go to the bottom right of the forecast page to "Additional Forecasts and Information" and click on "Hourly Weather Graph"
- Scroll to the bottom half of the page and observe the predicted next day precipitation amounts by hour

Monitoring

There are typically three methods for sampling and monitoring:

1. Direct – Sample is collected directly into a sample bottle
2. Indirect – Sample is collected with a device or container and then transferred into the sample bottle.
3. Visual – Recording the physical conditions of the water at the sample point.



When you collect the sample make sure you do not disturb the surrounding area or sediment at the bottom of the outfall. The sample should be collected in a clean, clear glass or plastic container. You may also want to take photographs of the discharges at the time of observation in case more than one person is doing the assessments and because photos can be helpful in determining the effectiveness of your control measures and any need to make changes to control measures.

After collecting the sample, the visual assessment should be examined in a well-lit area. Typically samples are inspected for the presence of the following water quality characteristics:

- Color – If the discharge has an unusual color, such as reddish, brown, or yellow hue, this may indicate pollutants or suspended sediment
- Odor – If the discharge has a noticeable odor, for instance if it smells like gasoline fumes, rotten eggs, raw sewage, or solvents odor, or has a sour smell, this could be indicative of pollutants in the discharge
- Clarity – If the discharge is not clear, but is instead cloudy or opaque, this could indicate elevated levels of pollutants in the discharge
- Floating solids – If you observe materials floating at or near the top of the bottle, take note of what the materials appear to be
- Settled solids – You should wait about a half hour after collection, then note the type and size of materials that are settled at the bottom of the bottle
- Suspended solids – Particles suspended in the water will affect its clarity, and color and could be attributable to pollutant sources at your facility
- Oil sheen – You should check the surface of the water for a rainbow color or sheen; this would indicate the presence of oil or other hydrocarbons in the discharge. Some sheens result from natural processes, such as rotting vegetation or the bacterial breakdown of iron. To tell the difference between an oil sheen and a naturally occurring sheen, try to break up the sheen with a stick. An oil sheen will swirl, elongate, and reform. A sheen from a natural process will typically break up into irregular platelets that do not reform and have a mirror-like appearance
- Foam – You should gently shake the bottle and note whether there is any foam
- Other obvious indicators of stormwater pollution

Floating Solids



Evaluating and Recording Results

Record your visual monitoring results for each outfall on a required state agency form or on your own comparable form. A sample visual inspection form is attached below. For anything but colorless and odorless stormwater in your discharge, you should investigate what area of your site or what specific pollutant sources are contributing to the contamination of your site's runoff. To search for the source of pollutants, you should move upstream from the discharge point. You should scrutinize your exposed industrial materials and activities (material handling equipment, industrial machinery, raw materials, finished product, wastes, or products that are stored, used or created onsite, etc.). Examine where material handling activities occur, such as: storage, loading and unloading, and material transporting. Be aware, the source could be from an ongoing activity or the result of a spill or other infrequent occurrence. In looking at your samples, consider the following:

- When there is a distinct color or odor, are the abnormalities associated with any raw materials, chemicals or other materials used at the site?
- Muddiness or sediment may have been picked up from areas where there is disturbed earth or other unpaved areas lacking adequate control measures.
- Foam or oil sheen may be the result of a leak or spill of materials.
- Cloudiness indicates suspended solids such as dust, ash, powdered chemicals, and ground up materials. Determine whether you use any of these materials and whether they are exposed to stormwater.

Keep a copy of all visual inspection forms in you SWPPP.



Oily Sheen

Visual Inspection - Field Sheet

Use one form per outfall.

<u>Facility Name</u>	3M Clinton, TN	<u>Person Conducting Inspection</u>	
<u>Inspection Date</u>		<u>Outfall Name</u> (as named in SWPPP)	
<u>Time of Visual Inspection</u>		<u>Time of Rainfall Event</u>	
<u>Outfall Description</u> (as described in SWPPP)			
<u>Amount of Rainfall at the Time of Observation (inches)</u>			

Describe your observations:

Color	<input type="checkbox"/> Clear	<input type="checkbox"/> Red	<input type="checkbox"/> Yellow	<input type="checkbox"/> Brown	<input type="checkbox"/> Other:
Odor	<input type="checkbox"/> None	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rotten Eggs	<input type="checkbox"/> Other:
Clarity	<input type="checkbox"/> Clear	<input type="checkbox"/> Cloudy	<input type="checkbox"/> Opaque	<input type="checkbox"/> SS*	<input type="checkbox"/> Other:
Floating Solids	<input type="checkbox"/> None	<input type="checkbox"/> Foam	<input type="checkbox"/> Garbage	<input type="checkbox"/> Oily Film	<input type="checkbox"/> Other:
Other obvious indicators					

* Suspended Solids

This outfall could not be evaluated during this quarter due to the following reason:

Make any necessary changes to your **Storm Water Pollution Prevention Plan** as needed.

STORMWATER POLLUTION PREVENTION PROGRAM
3M FACILITY NAME
ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

The NPDES General Permit for Stormwater Discharges Associated with Industrial Activity (Permit No. TNR0500000) was issued by the Tennessee Department of Environment and Conservation on April 14, 2015. Section 11.V.3.2.4 of the General Permit describes the requirements of the Comprehensive Site Compliance Evaluation. This form was developed to comply with the requirement to conduct a visual site inspection at least once a year.

Instructions: Complete this record for each Comprehensive Site Compliance Evaluation conducted at the facility. Place an X in the box next to each item as appropriate. If any response required an explanation or subsequent action, indicate so in the space provided. Additional comments should be included on the next page or attached on a separate sheet of paper.

Inspector: _____ Date of Inspection: _____

Best Management Practices (BMPs) to be followed at this facility include the items indicated by each box marked with an X.

Visual Inspection	<input type="checkbox"/>	Preventive Practices	<input type="checkbox"/>	Fertilizer, Herbicide, & Pesticide Mngt	<input type="checkbox"/>
Litter Control	<input type="checkbox"/>	Monitoring	<input type="checkbox"/>	Mitigation Cleanup	<input type="checkbox"/>
Good Housekeeping	<input type="checkbox"/>	Labeling	<input type="checkbox"/>	Physical Equipment – Brooms, Shovels	<input type="checkbox"/>
Preventive Maintenance	<input type="checkbox"/>	Nondestructive Testing	<input type="checkbox"/>	Mechanical Equipment – Vacuum Cleaning, Systems, Pumps	<input type="checkbox"/>
Recycling	<input type="checkbox"/>	Vehicle Positioning	<input type="checkbox"/>	Chemical Compounds – Sorbent Materials	<input type="checkbox"/>
Structural Controls	<input type="checkbox"/>	Materials Handling	<input type="checkbox"/>		<input type="checkbox"/>

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."

Name & Official title	Signature	Date Signed

Annual Site Inspection	YES	NO	NA	Observations/Comments/Actions
[1] Do areas of the site that contribute to stormwater discharges have a potential to be contaminated by pollutants?				
[2] Does it appear that the BMPs applicable to the site (listed above) are being properly implemented? If not, describe the areas.				
[3] Does it appear that the BMPs applicable to the site are adequate to reduce pollutant loadings?				
[4] Are structural BMPs in proper operating conditions?				
[5] Are secondary containment dikes in good condition?				
[6] Does it appear that control valves are in working order and in proper position to prevent discharge of spills?				
[7] Are additional BMPs needed and if so, what type?				
[8] Does it appear that any storage tanks are cracked, leaking, or in poor condition?				
[9] Does all mechanical equipment at the facility appear to be in good shape with no visible signs of leakage?				
[10] Are the grounds clear of all litter?				
[11] Are covers on all outside trash and recycle containers to prevent rainfall from entering?				
[12] Do any portions of the facility grounds need to be stabilized to prevent soil erosion from occurring?				
[13] Does it appear that excessive amounts of fertilizers, pesticides, or herbicides have been used?				
[14] Do any of the impervious areas of the facility need to be swept?				
[15] Were any non-stormwater discharges detected and if so, were they eliminated?				
[16] Are there any visible signs that a recent spill has occurred?				
[17] Does equipment needed to implement the plan exist at the facility and is it in proper locations?				
[18] Are hazardous wastes properly handled and stored at the facility?				
[19] Is the facility in compliance with the Hazardous Waste Management Plan, if applicable?				
[20] Is the facility in compliance with the Spill Prevention Control and Cleanup Plan, if applicable?				
[21] Have employees, who may impact stormwater trained?				
[22] Are employee training records maintained?				
[23] Are equipment maintenance records maintained?				
[24] Are modification to the SWPPP needed based on the results of this inspection?				
[25] If changes have occurred on-site, has the SWPPP been updated?				
[26] Has the SWPPP been reviewed at least annually?				

Additional Comments:

Appendix H

Annual Report Form



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)
Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor,
Nashville, Tennessee 37243, 1-888-891-TDEC (8332)

**Annual Stormwater Monitoring Report for Stormwater Discharges Associated with Industrial Activities
under the Tennessee Multi-Sector General NPDES Permit (TMSP)**

Facility Name:		TMSP Number:	
Contact Person:		Phone Number:	
This report is submitted for the following calendar year (e.g. 2013):		Outfall Number:	
List all TMSP sectors which apply to discharge from this outfall:		Sample Date:	
LOW CONCENTRATION WAIVER (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
Parameters:			

DIRECTIONS: In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75		Magnesium, Total	0.064	
Ammonia	4.0		Mercury, Total	0.0024	
Arsenic, Total	0.15		Nickel, Total	0.875	
BOD, 5-Day	30		Nitrate + Nitrite Nitrogen	0.68	
Cadmium, Total	0.0021		Oil and Grease	15	
Chromium, Total	1.8		pH	5.0-9.0	
COD	120		Phenols	0.016	
Copper, Total	0.018		Phosphorus, Total (as P)	2.0	
Cyanide, Total	0.022		Selenium, Total	0.005	
Fluoride	1.8		Silver, Total	0.0038	
Iron, Total	5.0		Total Suspended Solids (TSS)	150	
Lead, Total	0.156		Zinc, Total	0.395	

CERTIFICATION AND SIGNATURE Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Permittee name (print or type)

Official Title

Signature

Date

INSTRUCTIONS

1. The purpose of this form is to report stormwater monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://www.tn.gov/environment/permits/tmsp.shtml>) Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2013 calendar year is due by March 31, 2014.

2. If the results of annual stormwater runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division's local Environmental Field Office (EFO) in writing within 30 days from the time stormwater monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time stormwater monitoring results were received, the facility must review its stormwater pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).

3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records. Submit the original completed and signed form to: Compliance & Enforcement Unit, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243 or you may submit the report electronically to: DWRWater.Compliance@tn.gov

Appendix I

WIMS Report Form

Initial Report

*Required Fields

Incident Number (generated on save)

Incident Severity Score and Severity Level (system generated)

Local Case Number

Initial Risk Score and Risk Level (system generated)

*Location/Area Where Event or Potential Event Occurred

*Department Where Event or Potential Event Occurred

*Date Reported

*Time Reported (HH:MM 24 hour format)

*Date Occurred

Time Occurred (HH:MM 24 hour format)

*Choose Report Type

☐ Incident ☐ Near Miss ☐ Potential Hazard

*Select All Applicable Incident Types (Actual or Potential) ?

- ☐ Injury/Illness
- ☐ Fire/Explosion
- ☐ Spill or Release
- ☐ Property Loss/Damage or Business Interruption
- ☐ Over Pressure/Relief
- ☐ Agency Inspection
- ☐ Agency Notice
- ☐ Exceedance
- ☐ Complaint

*Describe what took place or the hazardous situation. Also, include any immediate actions taken

Describe what took place or the hazardous situation. Also, include any immediate actions taken (Local Language)

Select all that apply:

Event or Hazard was Contractor Related ☐

Event or Hazard involved a Powered Industrial Vehicle (PIV) ☐

Event or Hazard Occurred in a PHM Managed Process ? ☐

*Responsible Person ?

*Incident Reported By

Additional Editor ?

Incident Created By

cc: list for Additional Communications of this Incident

Last Name	First Name	Middle Initial	Global Person ID
No Records	No Records	No Records	No Records

Click Save button above to continue

(Upon Save, an Email will be sent to Responsible Person, Additional Editor, cc list & Site Customized Distribution lists.)

Appendix J

Duly Authorized Representative Letters



11-24-15

Sent via email

Storm water NOI Processing
Division of Water Resources\
Tennessee Department of Environment & Conservation
William R. Snodgrass – Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

Subject: Delegated Authorization: Notification to Division of Water Resources for 3M Clinton.

To whom it may concern,

3M Company is notifying Division of Water Resources of the delegation of authority to the 3M Clinton located at 400 JD Yarnell Industrial Parkway, Clinton TN 37716-4014, in accordance with General Permit No. TNR0500000. The permit requires the signature of a vice president of a corporation or the manager of the facility if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures; for many signatory requirements, with an allowance of delegation to a duly authorized representative.

The Environmental, Health, & Safety (EHS) Manager is responsible for the overall control of the day-to-day environmental compliance at the facility and, as such, are many times in the best position to make such representations and certifications regarding the environmental status of their facility. Therefore, 3M requests approval for the 3M Clinton, EHS Manager to be delegated authority for all reports, certifications, or other information required by the General Permit and, in cases where they are not available, and then the delegated authority is to the Operations Manager/Plant Manager. This delegated authorization will be maintained on site with the Stormwater Pollution Prevention Plan.

Examples of the reports and submittals that the EHS Manager may sign include but are not limited to stormwater reports, monitoring reports, and inspection forms.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Leslie', is written over a faint, larger signature that appears to read 'Jason Leslie'.

Jason Leslie
Plant Manager

3M Internal Correspondence

To: Facility Managers
Manufacturing Directors
Manufacturing Operations Managers

From: J. B. Sweeney, Vice President
Environmental, Health and Safety Operations – 224-5W-03

Subject: Certifications Under Environmental Laws

Date: November 3, 2011

As you are aware, certain environmental laws require that representations and certifications be made by 3M regarding environmental compliance and information at our various facilities and operations. These laws include the federal Clean Air Act Amendments of 1990 (which covers Title V permit applications and compliance certifications), the federal Clean Water Act, the Emergency Planning and Community Right-to-Know Act (EPCRA), the Resource Conservation and Recovery Act (RCRA) as well as other federal and state laws.

Some of these laws require that filings and certifications be made by a corporate officer or someone delegated by a corporate officer. I, as the 3M employee in the office of Vice President of EHS Operations, have been so delegated for these purposes.

This letter serves to remind you that this office has further delegated to facility managers, their designees, and the people to whom they report, the authority to make environmental representations, certifications and filings on behalf of each respective facility when it is appropriate to do so. Facility managers are responsible for the overall control of the day-to-day operations at 3M facilities and, as such, should be in the best position to make such representations and certifications regarding the environmental status of their facility. Therefore, facility managers are delegated primary authority and, in cases where they are not available, then the delegated authority is to the person the facility manager has assigned facility management authority in his/her absence (provided this temporary assignment is documented). The person to whom the facility manager reports also holds this delegated authority. Facility managers, their temporary designees, and people to whom they report are delegated the authority to make the following types of representations and certifications:

- Clean Air Act Operating Permit Program Certifications (includes air permit applications, and Title V annual compliance certifications)
- State & Local Air Permitting Program Applications and Reports (e.g., construction permit applications, air emission inventories)

- Federal and State & Local Air Regulatory Reports (e.g. MACT or NSPS periodic reports)
- NPDES and State & Local Wastewater Permit Applications and Certifications, including items relating to Stormwater (note: criteria for this delegation vary by state, and must be individually reviewed as needed)
- NPDES and State & Local Wastewater, and Stormwater Reports
- EPCRA Section 304, 311, 312 and 313 (TRI Form R) Reports
- Risk Management Program and Oil Pollution Act Plans
- RCRA (Waste Disposal) Reports
- Waste Disposal Certifications
- Other Environmental Submittals and Agreements

This is a reminder only, and no new actions should be required of you. If you have any questions concerning this matter, please contact your EO Business Unit Contact, or Dawn Krueger at (651 or T)737-3576.

Thank you,



J. B. Sweeney
Vice President, Environmental, Health, and Safety Operations

JBS/slw

C: M. A. Nash – Office of General Counsel – 220-9E-02

EO Facility Contacts

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- K. J. Miller – 224-5W-03
- J. C. Muffat – 224-5W-03
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- D. J. Krueger – 224-5W-03